

A-35



G L 0 4 9 2 8

FILE\_CAB\_\_DRAWER\_\_

CIRCULAR 115

Records of Wells and Springs in the Socorro and  
Magdalena Areas, Socorro County, New Mexico, 1968

by NANCY J. CLARK

W. K. SUMMERS

STATE BUREAU OF MINES AND MINERAL RESOURCES  
NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY  
CAMPUS STATION

SOCORRO, NEW MEXICO



## NEW MEXICO STATE BUREAU OF MINES AND MINERAL RESOURCES

Don H. Baker, Jr., *Director*

### Full-Time Staff

JOYCE M. AGUILAR, <i>Stenographer</i>	JUDITH M. PERALTA, <i>Staff Stenographer</i>
WILLIAM E. ARNOLD, <i>Scientific Illustrator</i>	ROBERT L. PRICE, <i>Draftsman</i>
BLAIR R. BENNER, <i>Junior Metallurgist</i>	JACQUES R. RENAULT, <i>Geologist (on lv.)</i>
ROBERT A. BIEBERMAN, <i>Petroleum Geologist</i>	RONALD ROMAN, <i>Research Metallurgist</i>
LYNN A. BRANDVOLD, <i>Chemist</i>	JOHN W. SHOMAKER, <i>Geologist</i>
CHARLES E. CHAPIN, <i>Geologist</i>	JACKIE H. SMITH, <i>Laboratory Assistant</i>
RICHARD R. CHAVEZ, <i>Laboratory Assistant</i>	MARILYNN SZYDLOWSKI, <i>Secretary</i>
LOIS M. DEVLIN, <i>Office Manager</i>	KARL VONDER LINDEN, <i>Mining Engineer &amp; Environmental Geologist</i>
JO DRAKE, <i>Director's Secretary</i>	CHARLES W. WALKER, <i>Mineralogist</i>
ROUSSEAU H. FLOWER, <i>Senior Paleontologist</i>	ROBERT H. WEBER, <i>Senior Geologist</i>
ROY W. FOSTER, <i>Petroleum Geologist</i>	MAX E. WILLARD, <i>Economic Geologist</i>
WILLIAM L. HAWKS, <i>Materials Engineer</i>	JUARINE W. WOOLDRIDGE, <i>Editorial Clerk</i>
ROBERT W. KELLY, <i>Editor</i>	MICHAEL W. WOOLDRIDGE, <i>Draftsman</i>
FRANK E. KOTTELOWSKI, <i>Sr. Geol. &amp; Ass't. Dir.</i>	

### Part-Time Staff

ROSHAN B. BHAPPU, <i>Senior Metallurgist</i>	ROLAND F. DICKEY, <i>Public Relations</i>
JAMES A. BRIERLEY, <i>Ass't. Prof. Biology</i>	RUFIE MONTOYA, <i>Dup. Mach. Oper.</i>
JACK COATS, <i>Editorial Clerk</i>	JOHN REICHE, <i>Instrument Manager</i>

### Graduate Students

UMAR M. UDDIN AHMAD, <i>Metallurgist</i>	DAN CASH, <i>Geophysicist</i>
ROGER ALLMENDINGER, <i>Geologist</i>	HENRY HANS KOEHN, <i>Geologist</i>
RENA MAE BONEM, <i>Paleontologist</i>	MARSHA KOEHN, <i>Geologist</i>
CORALE BRIERLEY, <i>Chemist</i>	HAIA ROFFMAN, <i>Geochemist</i>
ELISE BROWER, <i>Geochemist</i>	WILLIAM WILKINSON, <i>Geologist</i>

Plus more than 28 undergraduate assistants

### New Mexico Tech Staff Advisors

GALE BILLINGS, <i>Geoscience</i>	W. KELLY SUMMERS, <i>Hydrology</i>
PAIGE W. CHRISTIANSEN, <i>Historian-Mining</i>	FRANK B. TITUS, <i>Hydrology</i>
ALLAN R. SANFORD, <i>Geophysics</i>	



## Sources

These data have been culled from the (1) files of the New Mexico Bureau of Mines and the Department of Ground-Water Hydrology, Research Division, New Mexico Institute of Mining and Technology, and (2) the works of Hall (1963, 1967), Bushman, (1963), and Waldron (1956).

Well logs were provided by the water-well drillers, especially Roe Newberry of Socorro.

Chemical analyses of the water were made by the U. S. Geological Survey, New Mexico Bureau of Mines and Mineral Resources, Dr. F. R. Hall, and personnel in the Department of Ground-Water Hydrology.

Water-level measurements are primarily the product of Bruce De-Brine, Reiner Haubold, Dennis Williams, and John Halepaska, graduate students in the Department of Ground-Water Hydrology. A few of the wells were field checked by Ronald Brimhall, a graduate student.

## Data Handling

The data taken from the various sources were recorded in standard form and arranged in turn by township, range, and sections. They were then transferred to IBM cards. The tables presented herein are computer tabulations of the data.

## Organization of the Tables

In general, the tables contain the usual data presented in such reports for other areas. However, we should like to call your attention to the serial numbers in Tables 1, 2, and 5 and in Tables 3 and 4.

These numbers are used only in this text and only for convenience in cross-referencing. Thus data associated with the well on line 294 of Table 1 have been labeled 294 in Tables 2 and 5 and on Plates 1 and 2. The well is not numbered 294 anywhere else, because in New Mexico we use the convention adapted by the State Engineer and the Water Resources Division, U. S. Geological Survey, in which wells are described by a number that gives its location in terms of township, range, section, and quarter, -quarter-quarter section.

## REFERENCES

- Bushman, Francis X., 1963, Ground water in the Socorro valley, in Guidebook of the Socorro region: N. Mex. Geol. Soc., Guidebook, 14th Field Conf., p. 155-159.
- Hall, Francis R., 1963, Springs in the vicinity of Socorro, New Mexico, in Guidebook of the Socorro region: N. Mex. Geol. Soc., Guidebook, 14th Field Conf., p. 160-179.
- 1967, Hydrogeochemistry of the Socorro thermal area, Socorro, New Mexico, in New Mexico's thermal waters, Part II, text and discussion: N. Mex. Inst. Mining Technology, N. Mex. State Bur. Mines Mineral Resources, Open-File Rept.
- Waldron, John F., 1956, Reconnaissance geology and ground-water study of a part of Socorro County, New Mexico: Stanford Univ., Ph.D. dissertation, 255 p.

## Explanations for abbreviations in Tables.

Blanks indicate "unknown"

## OWNERSHIP:

- F - Federal Government
- M - City
- N - Corporation or Company
- P - Private
- S - State Agency

## WATER USE:

- D - Dewatering
- H - Domestic
- I - Irrigation
- N - Industrial
- P - Public Supply
- S - Stock Supply
- U - Unused

## WELL USE:

- O - Observation
- T - Test Hole
- W - Withdraw Water
- Z - Destroyed

## METHOD DRILLED:

- D - Dug

## WELL FINISH:

- F - Gravel Wall, Perforated Casing
- P - Perforated Casing
- T - Sand Point

## POWER:

- 1 - Hand
- 3 - Gasoline Engine
- 5 - Electric Motor
- 6 - Wind

7 - LP Gas Engine

L - Gasoline Engine more than 200 hp

M - Diesel Engine through 50 hp

S - Electric Motor through 1 hp

T - Electric Motor more than 1 to 5 hp

U - Electric Motor 6 to 15 hp

V - Electric Motor 16 to 100 hp

## TOPOGRAPHIC SETTING:

- S - Hillside (slope)

## AQUIFER:

- A - Tertiary-Quaternary
- N - Pennsylvanian
- Q - Quaternary
- T - Tertiary

## LITHOLOGY:

- A - Alluvium
- I - Igneous, aphanitic or glassy
- J - Igneous, unconsolidated
- L - Limestone
- P - Clay
- Q - Silt or Loess
- R - Sand and Gravel
- S - Sand
- V - Sandstone
- X - Silty Sand
- YV - Clayey Gravel and Sandstone

## DISCHARGE (in GPM):

- B - 0.2
- C - 0.3
- H - 0.8

C - indicates that Sodium and Potassium were calculated

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO

	LOCATION	OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
1	36T01N R01W							
2	SWNWSW23T01S R01E	MOUNYO	4658	P	H	W		
3	NFNENE27T01S R01E	JONES	4659	P	H	W	D	
4	01T01S R01W	R.R.	4680					
5	SESWSW14T01S R01W	HIGGINS	4673	P	H	W		
6	NFSESW14T01S R01W	GIRON	4658	P	H			
7	SE14T01S R01W	BUR.RECC.	4650					
8	NWSWSE14T01S R01W	RAWLINS	4672	P	H			
9	NFNESW15T01S R01W		4840		S	W		1957
10	SFSENE22T01S R01W	ARMS.&ARMS.CON	4670	N	N	W		
11	SFNENE22T01S R01W	CAMPBELL	4750	P	S	W		
12	NFNENW23T01S R01W	SEVEDRA	4670	P	H	W		
13	NWNWSW23T01S R01W	LUNA	4661	P	U			
14	NWSWSW23T01S R01W	S PADILLA	4656	P	H	W		
15	NWSWSW23T01S R01W	M CHAVEZ	4556	P	H	W		
16	SWSWSW23T01S R01W	MONTONA	4656	P	H			1958
17	NWSWSE23T01S R01W	MRS.EASARRACINO	4630	P	I	W		1951
18	SFSESE23T01S R01W	HOWELL GAGE	4640	P		Z		
19	SFSESE23T01S R01W	G A HILDEBRAND	4653	P	I	W		1956
20	SWSWSW24T01S R01W	HOWELL GAGE	4645	P	I	W		1952
21	NWSENW25T01S R01W	B O RASKOB	4643	P	I	W		1951
22	NESWSW25T01S R01W	ED PROVINE	4635	P				1947
23	NFSESE26T01S R01W	ED PROVINE	4638	P				
24	NWSWNW26T01S R01W	FRED HULSE	4645	P	H	W		
25	NFSENE26T01S R01W	B G RASKOB	4641	P	H	W		1956
26	NFSENE26T01S R01W	B RASKOB	4641					
27	SWSENE26T01S R01W	PAUL WOOFER	4641	P				
28	NFSENE27T01S R01W	H PADILLA	4657	P				
29	SFSENE27T01S R01W	MUNEZ	4670	P	H			
30	NENESE27T01S R01W		4662		H		D	
31	NENESE27T01S R01W	B G RASKOB	4660	P	H	W		
32	SESWSW27T01S R01W	HENSLEY	4692	P	H			
33	NFSESE27T01S R01W	DOBBS	4663	P	H			1957
34	SFSESE27T01S R01W	ARMS + ARMSCONS	4670	N	H	O		
35	SFSWSW32T01S R01W		5650					
36	NENESE34T01S R01W	MARTIN	4681	P	H			
37	NFSESE34T01S R01W	FRED MARTIN	4670	P	H			
38	SFNWSE34T01S R01W	FRED MARTIN	4713	P	I	W		
39	SWNENW35T01S R01W	HUBERT FALKNER	4643	P				1952
40	SWNENW35T01S R01W	HUBERT FALKNER	4643	P				
41	SFSESW35T01S R01W	FIERRO	4646	P	H			
42	NFSENW35T01S R01W	FALKNER		P	I	W		
43	NWNENW30T01S R02W	BADGER CATTLECO	5819	N	S	W		
44	SFSWNW34T01S R02W	KELLY	6080	P				
45	NWSWNW12T01S R03W	BADGER CATTLECO	5604	N	H	W		
46	NWSWSW12T01S R03W	HUGGINS	5640	P				
47	SWSWSE33T01S R03W	BADGER CATTLECO	6002	N	S	W		
48	SWSWSE33T01S R03W	DONHUGGINS						

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSIS (*)
					BELOW GROUND SURFACE (FEET)	DATE OF MEASURE- MENT MYR			
1	12	3			10	552			
2	45			6				63	*
3	30								
4									
5				5				70	*
6	18				5	552			
7									
8	35			5				70	*
9				6					
10	100	10		3			300	68	*
11	177			6				70	*
12	38			5				68	*
13								63	*
14				6					
15	54			6				64	*
16	28	10		5					*
17	100	35	16	P		8	1200	62	*
18	112	47	16	P		13	1035		*
19	112	47	16	P	V	13	451		*
20									
21	72	5		P	V		1800		*
22	150		16	P		9	2100		*
23	85		20		3	11	1000		*
24	80		6			40			*
25	81		6	P		10			*
26	80					10	600		*
27	135					9	2100		*
28	35							63	*
29	60		6		3				
30	45								
31	80	60	6			42			*
32	80		4		6			64	*
33	60		2		1			66	*
34	100		7				10	48	*
35									
36	160				6			68	*
37					6				
38	200		16	P	V	94			*
39	70		14			14		66	*
40	130		16	F	3	14			*
41					5				
42	130				3			66	*
43	280				6	165	660	66	*
44	700								
45	185				6	118	660		*
46						119	762		*
47	390				6	301	762	68	*
48						311	867		*

TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALENA AREA, NEW MEXICO (CONT)

	LOCATION		OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
49	NWSESW05T02S	R01E	S M JONES	4720	P	H	W	D	
50	SWSE07T02S	R01E	TOM GRIEGO	5370	P				
51	NWNWSE19T02S	R01E	WILLIE EMILLIO	4615	P				
52	SWSWNE19T02S	R01E	OLSON WELL	4610					
53	NWNWSW19T02S	R01E		4600		U			
54	NWNESE19T02S	R01E	WILLIE EMILLIO	4615	P				
55	NFNESE19T02S	R01E	DAVE PINO	4618					
56	NWNWSE19T02S	R01E	WILLIE EMILLIO	4615	P				
57	NFSWNW30T02S	R01E	PAUL EDGINGTON	4600	P				
58	NFSENE30T02S	R01E		4600					
59	NWSENE30T02S	R01E	WILLIE EMILLIO	4600	P	S	W		
60	SWSWNW31T02S	R01E	V SISNEROS	4603	P	U			
61	NFNESE31T02S	R01E	JOSE CHAVEZ	4600	P	H	W		
62	NFNESE31T02S	R01E	WILLIE EMILLIO	4600	P				
63	NFNESE31T02S	R01E	WILLIE EMILLIO	4600	P				
64	NWNWSW31T02S	R01E	P H TORRES	4601	P				
65	SWSESW31T02S	R01E		4600		S			1951
66	SFSESW31T02S	R01E	J T COOK	4602	P	I	W		
67	SFSESW31T02S	R01E	COOK-GREENWALD	4602	P	I	W		
68	NFSWSW32T02S	R01E	GALINDO	4610	P				
69	SFSWSW32T02S	R01E	JOE CHAVEZ	4600	P				
70	SWSWSW01T02S	R01W	SANCHEZ	4629	P	H	W		
71	NFSESW01T02S	R01W	HAWK	4625	P	H			
72	SWSWNW02T02S	R01W	COTTON GIN	4698	N		W		
73	NWNWSW02T02S	R01W		4688		U			
74	NFSWSW02T02S	R01W	WESTERN COTTON OI	4690					
75	SFSESW02T02S	R01W	WEST		P	H			
76	SFSESW02T02S	R01W	GARCIA	4663	P	H			
77	SWNWSE02T02S	R01W	MANTARES	4655	P	H	W		
78	NWSWSE02T02S	R01W	MONTAYA	4651	P	H	W	D	
79	SFSWSE02T02S	R01W	GONZALES	4643	P	H	W		
80	SFSESE02T02S	R01W	W LAWSON	4620	P	H	W		
81	SFNWNW11T02S	R01W	DUKE	4722	P	H			
82	NFNESE11T02S	R01W	R SANTILLANES	4677	P	H			
83	SFNESE11T02S	R01W	BAJILLOS	4688	P	H	W		
84	SWNWNE11T02S	R01W	CHAVEZ	4670	P	H	W	D	
85	NFNESE11T02S	R01W		4630		H	W		
86	NFNESE11T02S	R01W	BENAVIDEZ		P	H	W		
87	NWSENE11T02S	R01W	R GONZALES JR	4652	P	H	W		1954
88	NFSENE11T02S	R01W	ANDY HILL	4640	P				1954
89	SFSENE11T02S	R01W	LUM FAKIN	4640	P				
90	NWNESE11T02S	R01W	CHAVEZ	4647		U			
91	SFNWSW12T02S	R01W	J B KELLY	4630	P	I	W		
92	NFNESE12T02S	R01W		4625					
93	NFNESE12T02S	R01W		4625					1951
94	SWNWNW13T02S	R01W	J B KELLY	4640	P	I	W		
95	NFSWNW13T02S	R01W	HORN	4647	P	H	W	D	
96	SFSWNW13T02S	R01W	GARNER	4646	P	I	W		



TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

WELL NO.	DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF. (FEET)	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (*)
						BELOW GROUND SURFACE (FEET)	DATE OF MEASUREMENT MYR			
49					1					
50	108	108	5	P		4	552		61	*
51	63				5			4	64	*
52						40	366			
53	25							2500		*
54	13		8		S	3	552	5	62	*
55	35				1					
56		35	5		6	25	552		64	*
57	95	85	16	P		10		2700		
58						9	366			
59	13		8		3	5	552	4	59	*
60					6	9	366			
61	35		2	T	6			2	61	*
62					6					
63					5					
64					S					
65										
66	63	63	16	P	3	8	552			
67	75		18		7	10	366			
68					6	26	366			
69					6					
70	90				5				66	*
71					1				61	*
72	120				5					
73										
74										
75	80		6		5				64	*
76			4		5					
77					1				64	*
78										
79	50				6				60	*
80	52				5					*
81	140		3		1				70	*
82			4		5					
83	87								63	*
84									64	*
85	75		6					5		*
86	25				1	4629			64	*
87			6						63	*
88	70	70	6	P		25		4		*
89	80	80	6	P				4		*
90	45									
91					3				60	*
92						23				
93						20	762			
94	104	60	16	P	3	26	552	900	60	*
95	35				1					
96	145				5				63	*

TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALENA AREA, NEW MEXICO (CONT)

	LOCATION	OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
97	NWNWSW13T02S	R01W ANDERSON	4651	P	U		D	
98	NWSESW13T02S	R01W	4646		U			
99	MEENE14T02S	R01W	4646		U		D	
100	SWSENE14T02S	R01W	4690					
101	NESESW15T02S	R01W	4627					
102	NWSENW22T02S	R01W MARTIN		P	H	W		
103	SWNESE24T02S	R01W WALTERS	4610	P	H			
104	NWNENW24T02S	R01W SILVA	4628	P	H			
105	NWSWSE24T02S	R01W	4623		H		D	
106	MEENW25T02S	R01W SLOAN	4627	P	H	W		
107	NESENW25T02S	R01W PINO	4618		H		D	
108	SWNWNE25T02S	R01W HALE	4610	P	I	W		
109	NWNESW25T02S	R01W CRAWFORD	4630	P	H			
110	NENESW25T02S	R01W PAT COLES	4630	P	H			
111	SWNESW25T02S	R01W STUBBS	4650		H			
112	SENESW25T02S	R01W P SICKLES	4628	P				
113	SENESW25T02S	R01W ORTIZ	4645		P			
114	SENESW25T02S	R01W ESCONDIDA SCH	4623					
115	NWSESW25T02S	R01W LOPEZ	4621	P	H	W		
116	NESESW25T02S	R01W DR.G.GREENE	4623	P				
117	SESESW25T02S	R01W KING	4628	P	H	W		
118	SESESW25T02S	R01W LEBLANC	4633	P				
119	SESESW25T02S	R01W L MURRY	4633	P				
120	SESESW25T02S	R01W SHERIFFLOPEZ	4632	P				
121	SWSWSE25T02S	R01W FRANK KING	4628					
122	NFSWSW26T02S	R01W W STATETUB SAN.	4736	S				
123	MEWWSW29T02S	R01W MARTIN	5070	P	S	W		
124	NWSWNW31T02S	R01E V SISMFROS	4602	P				
125	NWNESE35T02S	R01W NEWMEX TUBSAN3	4673	S	H	W		
126	SWSESE35T02S	R01W OLDSTATEHOSPITA	4682					
127	SESESE35T02S	R01W OLD STHOSPITAL	4668					
128	SESESE35T02S	R01W OLDST.HOSPITAL	4674					
129	NWNWNW36T02S	R01W N.M TUB.SAN.	4668	S	H	W		
130	SFSWNW36T02S	R01W	4625		H			
131	SFSWNW36T02S	R01W FRANK RICHARD	4650					
132	NWSENW36T02S	R01W	4634					
133	NWSENW36T02S	R01W	4634					
134	NESENW36T02S	R01W PURDUE	4630		U		D	
135	NESENW36T02S	R01W CEMENT PLANT	4633					
136	NESENW36T02S	R01W V PALE	4629					
137	SWSENW36T02S	R01W FILMONE SEDILLO	4645	P				
138	SESENW36T02S	R01W CRESPIN		P	H			
139	SESENW36T02S	R01W FELIX CRESPIN	4630	P			D	
140	SENWNE36T02S	R01W V TORRES	4618	P	H	W		
141	NWSWNE36T02S	R01W V G TORRES	4619	P				
142	SESWNE36T02S	R01W PABLO CASTILLO	4610	P				
143	MEWWSW36T02S	R01W DELONG	4650	P	H			
144	MEWWSW36T02S	R01W JOE FORARD	4643					

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT.)

WELL NO.	DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (*)
						BELOW GROUND SURFACE (FEET)	DATE OF MEASUREMENT MYR			
97	40								63	*
98										
99										
100	200									
101										
102	254				6				73	*
103	33								64	*
104	20				6				63	*
105	22								64	*
106	52				5				68	*
107									66	*
108	137		16					2300		*
109	40				5					
110	33		8					5		*
111					5					
112	47		8		S	25	263		68	*
113			6		6					
114			6		S					
115									66	*
116			6		S					
117	40				6				66	*
118			3		6	37	263			
119			6		S					
120			6		S	33	159			
121			6		S					
122			6		6					
123					6					*
124	13				1					
125	180		7		5	90		52	66	*
126			6							
127										
128										
129	110				5				66	*
130	105				5				68	*
131					5					
132						41	263			
133					5					
134									72	*
135					S					
136			6		S					
137			6		S					
138	40		8							*
139			1		S					
140	42				5				64	*
141			6		6	20	662			
142	60									
143	80				5				68	*
144			8		5					

TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALENA AREA, NEW MEXICO (CONT)

	LOCATION	OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
145	NFNWSW36T02S R01W	B A MONTOYA	4640					
146	SENWSW36T02S R01W	V GONZALES	4620	P	H	W		
147	SENWSW36T02S R01W	GALLEGOS	4619	P	H			
148	SFNWSW36T02S R01W	WEEKS	4628	P				
149	SENWSW36T02S R01W	R BAILEY	4640	P				
150	NWNESW36T02S R01W	F JOJOLLA	4632					
151	NWNESW36T02S R01W		4635					
152	NWNESW36T02S R01W	BRANEY LONG	4635	P				
153	NWNESW36T02S R01W	LAWRENCE VIGIL	4640					
154	NWNESW36T02S R01W	JOSE JELASAS	4640					
155	NWNESW36T02S R01W	C JONES	4630					
156	NWNESW36T02S R01W	BRANEY LONG	4630	P				
157	NFNESW36T02S R01W	L. B GONZALES	4630					
158	NFNESW36T02S R01W	LUCKY BAR	4630	P				
159	NFNESW36T02S R01W		4624					
160	SWNESW36T02S R01W		4630					
161	SWNESW36T02S R01W	J.B. GONZALES	4630					
162	SWNESW36T02S R01W		4630					
163	SWNESW36T02S R01W	JOE J. GALLOJOS	4630		P			
164	SWNESW36T02S R01W	LUCUS TORRES	4630	P				
165	SFNESW36T02S R01W	FELIX TORRES	4615	P				
166	SFSWSW36T02S R01W	SALMON MOYA	4630	P				
167	NWSESW36T02S R01W	BENAVIDEZ	4614	P	H	W		
168	NWSESW36T02S R01W	OTERO	4624	P	U			
169	NWSESW36T02S R01W	OTERO	4624	P	H	W		
170	NWSESW36T02S R01W	ARORA GARCIA	4630	P				
171	NWSESW36T02S R01W	FRANK TGONZALES	4625	P				
172	NWSESW36T02S R01W	L.BENAVIDEZ	4625	P				
173	NWSESW36T02S R01W	MARIAGMONTONAYA	4620	P				
174	NWSESW36T02S R01W	HARMAN ARAGON	4620	P				
175	NWSESW36R02S R01W	JOSEPH MIERA	4616	P				
176	NFSESW36T02S R01W	JAME BAKAR	4609					
177	SWSESW36T02S R01W	ROBERT EBLER	4611					
178	SWNESW36T02S R01W	FELIX TORRES	4618	P	H			
179	NWSWSE36T02S R01W	BARTEE	4608	P	I	W		
180	SWSWSE36T02S R01W	J JOJOLLA	4602	P	H	W		
181	SWSWSE36T02S R01W	JOE JOJOLA	4602	P				
182	SWSWSE36T02S R01W	E G JOJOLA	4605	P				
183	SESWSE36T02S R01W	BARTEE	4602	P			1965	
184	NWSESE36T02S R01W	JOE GIANERA	4600	P	I	W		
185	SFNESW07T02S R02W	CECIL GRAY	5870					
186	SENESW07T02S R02W	GREY	5882	P	S		D	
187	NWSW10T02S R02W	CECIL GRAY	6085		U			
188	NWNWSW10T02S R02W	GRAY	6103					
189	SWSW11T02S R02W	GRAY	5941	P	S	W		
190	NENWNW18T02S R02W	GRAY	5847	P	H	W		
191	NWNESW18T02S R02W	CECIL GRAY	5835					
192	NENESE19T02S R02W	J B KELLY	5830	P	S	W		

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (*)
					BFLOW GROUND SURFACE (FEET)	DATE OF MEASURE- MENT MYR			
145				5					
146	90			5				72	*
147	90			5				72	*
148				5					
149		7		5					
150					43	063			
151		6		S					
152				5					
153	100	1		S					
154									
155				6					
156		4		6					
157				6					
158	87								
159				6	32	366			
160				S					
161	85	1		S					
162		1		5					
163		1		S					
164				S					
165				6	22	159			
166	55	6							
167	50			6			68		*
168	40								
169	80			5			68		*
170			T						
171		1		5					
172		4		S					
173		1		5					
174		10		5					
175		1		S					
176	80	6		S					
177				1	18	159			
178		8			27	N63			
179		8		L	17	366			
180	60			5			66		*
181				5					
182		3		S					
183		5		S					
184	112	68	P		10	N65	1770		*
185				6	168	867			
186	150			6	150	660			
187	285								
188	412								
189		6		6			1		
190	150			6	144	660		68	*
191					118	867			
192	160			6	121	762		64	*



TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALENA AREA, NEW MEXICO (CONT)

LOCATION	OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
193	NFNESE19T02S R02W	J.B.KELLY	5835				
194	NFNESE19T02S R02W	J.B.KELLY	5835				
195	NWNWSW20T02S R02W	J.B.KELLY	5838	P	H	W	
196	NWNWSW20T02S R02W	J.B.KELLY	5855				
197	SWSWSW21T02S R02W	J.B.KELLY	5864	P	S	W	
198	SWSWSW21T02S R02W	J.B.KELLY	5860				
199	SFSENE28T02S R02W	KELLY	5835				
200	NFSWSE34T02S R02W	P. STROZZI	5795	P	S	W	
201	NFSWSE34T02S R02W	P. STROZZI	5780				
202	NWNESW35T02S R02W		5715				
203	SWNESW35T02S R02W	P. STROZZI	5714	P	H	W	
204	NFNWSW35T02S R02W	P. STROZZI	5700				
205	NFNWSW01T02S R03W	DON HUDGINS					
206	NFNESW01T02S R03W	BADGER CATTLECO	5874	N	S	W	
207	SFSESW07T02S R03W		6240				
208	SWSWSE07T02S R03W	LA TOSSA	6243	P	H	W	
209	SWSWSW11T02S R03W	GRAY	5946	P	S	W	
210	NFSEW17T02S R03W	LATASTA EST.					
211	NWNWNW22T02S R03W		6020				
212	NWNWNW22T02S R03W	LATASA EST.	6015				
213	SFNWNW22T02S R03W	LA TOSSA	6016	P	S	W	
214	SFSENE23T02S R03W		5870				
215	NWNWSE24T02S R03W	A. STROZZI	586	P	H	W	
216	SWSWNW25T02S R03W	A. STROZZI	5955				
217	SWSWNW25T02S R03W	J.B.KELLY	594	P	S	W	
218	SWNESE27T02S R03W	J. COURTNEY	6057	P	H	W	
219	SWNESE27T02S R03W	J. COURTNEY	6040	P	H	W	
220	NFSWNE27T02S R03W		6060				
221	NWSESW12T02S R04W	BATCHLER	6379	P	H	W	
222	SWSWSE13T02S R04W	TRIJILLO	6438	P	H	W	
223	SESWSE13T02S R04W	PINO	6435	P	H	W	
224	SWSWSW22T02S R04W	JOE WILSON	6740				
225	SFSWSE22T02S R04W	R. PINO	6595	P			
226	SWSEW23T02S R04W	WOODLEE	6555	P	H		
227	NWNESW23T02S R04W	WALLACE	6559	P	H	W	
228	SWSWSW24T02S R04W	MRS. G.C. WALLACE	6680	P	S	W	1950
229	SWSWSW24T02S R04W	MRS. G.C. WALLACE			U		
230	NWNWNE24T02S R04W	TONY TRUJILLO	6425				
231	NWNWNE24T02S R04W	TONY TRUJILLO					1963
232	SWNE26T02S R04W	MRS. G.C. WALLACE		P	S	W	1926
233	SFNESE26T02S R04W	ROU STENDEL	6820	P	S	W	1945
234	NWSWSW26T02S R04W	MRS. J. L. BEEMAN	6720	P			
235	SWSWSW26T02S R04W	TANT	6720	P	H		
236	SFSESW26T02S R04W	DON HUTCHISON	6800	P			
237	NWNWNW27T02S R04W	L. PINO	6557	P	H		
238	NWNENE27T02S R04W	R. PINO	6610	P	H		1962
239	SFSENE27T02S R04W	F. E. JAMES	6640	P			1961
240	NWNW35T02S R04W	MAGDALENA	6780				

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (*)
					BELOW GROUND SURFACE (FEET)	DATE OF MEASURE- MENT MYR			
193		14			122	867			
194	139			6	121	867			
195	160			6	131	762			*
196									
197	181			6	156	762			
198					152	867			
199	200								
200	134			6	100	660		66	*
201					89	867			
202					24	762		59	*
203				6	22	660		60	*
204					23	867			
205				6	175	867			
206	160			6				<u>73</u>	*
207				6	204	762			
208	325			6				70	*
209				6	244	867		<u>68</u>	*
210				6	473	867			
211					312	762			
212				6		867			
213	315			6				2	*
214					205	762			
215	160			6	158	660			*
216									
217	280			6					*
218	420			3	347	660		<u>73</u>	*
219	415			6	348	867			
220					348	762			
221	158			6				64	*
222				6					*
223				6	155	660			
224									
225	190	8			180	563	25		
226	210			5	169	660			
227	150			6	138	660			*
228	85	6			79	767			
229	730	6			66	767			
230				6	188	867			
231					153	867			
232	140	140	6	P	131	767	2	60	
233	166	30	8		85	767		62	
234	100								
235	125			6	59	660			
236	160				99				
237	140			6	118	660			
238	190				184	660			
239	240								
240	134			7	60		10		

TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALENA AREA, NEW MEXICO (CONT)

	LOCATION	OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
241	NWNW35T02S R04W	DON HUTCHISON	6760	P				
242	SWNESW35T02S R04W	AM SMELTINGREF	6850	N			D	
243	NWSESW35T02S R04W	AMSMELTINGREFCO	6870	N			D	
244	SFNWSW04T03S R01E		5240					
245	SFSWSW06T03S R01E	SAILSBERY	4593					
246	SWSESW06T03S R01E	DUGGINS	4600	P				
247	NWNESE06T03S R01E	BAMERTGREENWALD	4597	P	I	W		
248	SFSWSE06T03S R01E	BAMERT	4597	P				
249	SFSESW06T03S R01E	WINDERS	4600	P	H	W		
250	SWSWNE06T03S R01E		4600					
251	SFSWNE06T03S R01E		4597					
252	NWSENE06T03S R01E		4600					
253	NWNEW06T03S R01E		4600					
254	NWNEW06T03S R01E	BUR. OFREEL	4600					
255	NFNWNW06T03S R01E		4600					
256	NWNEW06T03S R01E	JTCOOKGREENWALD	4602	P	H	W		
257	SFNENW06T03S R01E		4600					
258	NFSWNW06T03S R01E	R R HENDRIX	4598					
259	SFSWNW06T03S R01E	J L BROWN	4595	P				
260	SWNWNE06T03S R01E	M JOHNSTON	4599	P	I	W		
261	SFSEW07T03S R01E	TOL M JOHNS	4600	P				
262	SFNWNE07T03S R01E	BAMERT	4600	P				
263	NWSEW07T03S R01E	H LESSON	4592	P				
264	NWNEW07T03S R01E	M GONZALES	4592	P		W		
265	NFNWNW07T03S R01E	HAMOCK	4600	P				
266	NFNWNW07T03S R01E	P G SMITH	4596	P				
267	SWSWNW07T03S R01E	AGRIC MRKT ASS.	4600		N	I		
268	SWNWSW07T03S R01E	GUNTER KROGGFL	4589	P	I	W		
269	SWNWSW07T03S R01E	SAM LANE	4589	P	U	W		1948
270	SFNWSW07T03S R01E	W L JONES	4600	P	H	W		
271	SFNWSW07T03S R01E	AGR MRKT ASSOC.	4587	N				
272	SWNEW07T03S R01E	WILLIE LUCERO	4600	P		W		
273	SWSWSW07T03S R01E	GUNTER KROGGFL	4600	P		W		
274	NWSEW07T03S R01E	SAM BOWMAN	4591	P		W		
275	SWNWSE07T03S R01E	R J FINLEY	4590	P		W		
276	SWSWSE07T03S R01E	J R LUKESH	4590	P		W		
277	SWNWSW17T03S R01E	ELMER HAMPTON	4589	P	I	W		
278	SWNEW18T03S R01E	GRAY	4600	P		W		
279	SWSEW18T03S R01E	C C ZIMMERMAN	4600	P				1955
280	SFSEW18T03S R01E	W BEJMAR	4588	P				
281	SWNWNE18T03S R01E	BERNARD GRAY	4600	P		W		
282	SWSWNE18T03S R01E		4588					
283	NWNWSW18T03S R01E	LUCERO	4600	P		W		
284	SWSESW18T03S R01E	GALLEGOS	4600	P		W		
285	SFSESW18T03S R01E	GALLEGOS	4600	P		W		
286	SFSESW18T03S R01E	S BAMERT	4584	P		W		
287	NFSWSE18T03S R01E	ELMER HAMPTON	4587	P				1954
288	NWNWSE18T03S R01E	UDELL VIGIL	4588		I	W		

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (*)
					BELOW GROUND SURFACE (FEET)	DATE OF MEASUREMENT MYR			
241		8			33	662			
242	250								
243	250								
244					110	363			
245		2		S					
246		2		S					
247		18	P	M	8	366			
248		2							
249							5		*
250									
251		2		S					
252				S					
253		1		6					
254	8				5	552			
255				5					
256	100	6		S					
257					11	366			
258									
259		1		S					
260	71	18		M	10	366			
261	35	2		S					
262		2		1					
263		1		5					
264		2		1					
265	16	1		S					
266		1		5					
267	86	10		V			860		
268		14		M	8	159			
269					8	366			
270	21	2	T				320	59	
271	22	2							
272		1		S					
273		4		S					
274		1		S					
275		1		S					
276									
277	120	16		V	13	366			
278		1		1					
279	55								
280	85			S	8		20		
281		1		S					
282		1		1					
283		6		6					
284		2		6					
285	65	6	P						
286		5		5	7	662			
287									
288	100	16	P	V	14	366			

TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALEÑA AREA, NEW MEXICO (CONT)

	LOCATION	OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
289	MFSENN18T03S	R01E WEEKS	4600	P				
290	SMSWNN18T03S	R01E MONTGOMERY	4593	P	I	W		
291	SFSENN19T03S	R01E HOPE FARMS	4591	P	I	W		
292	SFSENN19T03S	R01E HOPE FARMS	4600	P		W		
293	SFSENN19T03S	R01E HOPE FARMS	4600	P	H	W		
294	MFSENN19T03S	R01E SIMMS	4600	P		W		
295	SFSENN19T03S	R01E HOPE FARMS	4600	P	S	W		
296	SFSENN19T03S	R01E SIMMS	4590	P	I	W	1951	
297	SFSENN19T03S	R01E HOPE FARMS		P	I	W		
298	SFSENN19T03S	R01E HOPE FARMS		P	I	W		
299	SFSENN19T03S	R01E SIMMS	4590	P	I	W		
300	SMSWNE19T03S	R01E SIMMS	4589	P		W	1956	
301	MFSESW19T03S	R01E HOPE FARMS	4600	P		W		
302	MFSESW19T03S	R01E HOPE FARMS HO	4600	P			1955	
303	MFNESE20T03S	R01E S M JONES	4617	P	I	W	1955	
304	SFNESE20T03S	R01E S M JONES	4700	P			1956	
305	SFNNW29T03S	R01E HOPE FARMS GIG	4600	P	I	W		
306	SFNNW29T03S	R01E SEIMMS RANCH	4579	P	I	W		
307	MNNWNE30T03S	R01E SIMMS	4600	P				
308	MFSSSE30T03S	R01E HOPE FARMS	4600	P	S	W		
309	SFNESE30T03S	R01E HOPE FARMS	4600					
310	MFSSSE30T03S	R01E SIMMS	4575	P				
311	SFSSSE30T03S	R01E SIMMS	4573	P				
312	SFNNW31T03S	R01E VIRGIL B SAGE	4597	P				
313	SNNW31T03S	R01E JAMES C MORRIS	4600	P				
314	SFNNW31T03S	R01E M JOHNSTON	4597	P				
315	MNSEW31T03S	R01E EDWARD SMITH	4600	P				
316	MNSEW31T03S	R01E BRAMMER	4596	P				
317	MFSEW31T03S	R01E S H YOUGHOOD	4600	P				
318	MFSSW31T03S	R01E J F CONNOLLY	4600	P				
319	SNSEW31T03S	R01E G C DEAN	4600	P				
320	SMSWNE31T03S	R01E	4598				1952	
321		U.S.B.R.	4475		H			
322	MNNW01T03S	R01E WOODS	4600					
323	MNSENE02T03S	R01E HAROLD OLSEN		P	I	W		
324	02T03S	R01E MIKE LOPEZ		P				
325	02T03S	R01E OLD MONTOYA PLA						
326	SFNNW01T03S	R01E JOE GINERA	4608	P		W		
327	SMSW01T03S	R01E DEAN	4608	P	I	W		
328	MFSEW01T03S	R01E JOE GIANERA	4601	P		W		
329	SFSEW01T03S	R01E NEWBERRY	4605	P		W		
330	SFSEW01T03S	R01E A.L.PORLER	4605	P		W		
331	MNNWNE01T03S	R01E JOJOLA	4605	P	D	W		
332	SNNWNE01T03S	R01E JOE GINERA	4605	P				
333	MNNWNE01T03S	R01E GRADY HILL	4595	P				
334	MNNWNE01T03S	R01E DEAN	4568					
335	MNNWNE01T03S	R01E DEAN	4600	P		W		
336	MFNEW01T03S	R01E WHISENANT	4597	P		W		



TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (*)
					FLOW GROUND SURFACE (FEET)	DATE OF MEASURE- MENT MYR.			
289	40								
290	100	100	16	P	V	15	366	2000	
291	113		10	P	V	15	359	1000	60
292									*
293	90		6			20	359	10	*
294									
295	80		5					20	*
296			6		V	16	366		
297		23		P	5			2300	
298	145				5			1500	
299			8		V	15	366		
300			6		T				
301	100							3700	
302									
303	150	80	16	P		64	366	1000	64
304	150	80	16	P		61	166	1000	64
305	90		16					2500	55
306			18		V	9	366		*
307									
308	25		2	T					*
309									
310					1				
311			2		S				
312	60		1		S				
313	48		1		5				
314	75		12			8	263		
315			3		S				
316	52		1		S				
317	48		4		5				
318			2		S				
319	38		1		S				
320			16		V	12	366		
321	142		8	P		18		94	*
322	250				6				
323	100					29	767		
324	51				6	50	767		
325	37		4			30	767		
326						21	365		
327					5	2	36		
328					S				
329					S				
330					S				
331						8	263		
332						11	366		
333					S				
334	30		4		S	10	365		
335					S				
336	125		7						*

TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALENA AREA, NEW MEXICO (CONT)

	LOCATION		OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
337	MFNENE01T03S	R01W	P. WHISFNANT	4600	P	D	W		
338	MFNENE01T03S	R01W		4600	P		W		
339	MFNENE01T03S	R01W	M. D. JOHNSON	4597	P	D	W		
340	SFNENE01T03S	R01W	C. H. JOHNSON	4600	P	I	W		
341	MFSWNE01T03S	R01W	WILLIAM	4600	P		W		
342	MFSWNE01T03S	R01W	FIDEL TORRES	4600	P		W		
343	SFSWNE01T03S	R01W	CASA BLANCA	4600	P				
344	MWSENE01T03S	R01W	SIPES	4600	P				
345	MFNEHW01T03S	R01W	PEDRO R. MUMTOYA	4600	P		W		
346	MWNWSE01T03S	R01W	TOLLIVER	4592	P	D	W		
347	SWNWSE01T03S	R01W	F. S. PHILLIP	4598	P		W		
348	SWNWSE01T03S	R01W	A. WILLIAM	4598	P		W		
349	SWNESE01T03S	R01W	HEFNER	4592	P	I	W		
350	SWSESE01T03S	R01W	AKE MOTEL	4597	P		W		
351	SFSESE01T03S	R01W	HICK	4595	P		W		
352	SFSESE01T03S	R01W	HICK	4589					
353	MFSWNE02T03S	R01W	OLADAMSCMENT	4640					
354	MWSENE02T03S	R01W	HAROLD OLSEN	4610	P	D	W		
355	MWSENE02T03S	R01W		4616		D	W		
356	SWNESE02T03S	R01W		4620		H			
357	MWNWSE02T03S	R01W		4615					
358	MWNWSE02T03S	R01W		4617					
359	MWNWSE02T03S	R01W	SMITH	4610	P				
360	SWNESE02T03S	R01W		4620					
361	SWNESE02T03S	R01W	OLSON	4611	P				
362	MWSESE02T03S	R01W	MRS. CONYB BROWN		P	H	W		1951
363	MWSESE02T03S	R01W	MRS. EVA LEWIS	4630	P	H	W		
364	MWSESE02T03S	R01W		4620					
365	SFSESW03T03S	R01W		4780					
366	SFSESW03T03S	R01W	NMIMT RESEARCH	4785					
367	SWSWSE04T03S	R01W		5500					
368	SFNWSW07T03S	R01W	LANE	4645		U			
369	MFNENE09T03S	R01W	SANFORD 1+2	5957					
370	MFNENW10T03S	R01W	VACQUIER WFL	4890					
371	SWSENE10T03S	R01W	NMIMTRES. TASKW	4728					
372	MWNWNE11T03S	R01W	NMIMT	4656					1954
373	MFNWNE11T03S	R01W	E J WORKMAN	4630	P				
374	MFNWNE11T03S	R01W		4630					1954
375	MFNWNE11T03S	R01W	E J WORKMAN	4637	P	I	W		
376	SFNWNE11T03S	R01W	NMIMT HOLMES	4655					1951
377	SFNWNE11T03S	R01W	NMIMT HOLMES			I			
378			NMIMT	4658		H			
379	SFNENE11T03S	R01W	MCNIFRNEY	4628		U			
380	MWSENE11T03S	R01W	63 BUSHMAN	4635					1954
381	MWSENE11T03S	R01W	NMIMT RESEARCH	4635					1963
382	MWSENE11T03S	R01W	NMIMT	4635		I			
383	MWSENE11T03S	R01W	NMIMT	4630					
384	MWSESW11T03S	R01W	AIR FORCE NMIMT	4760					

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (*)
					BFLOW GROUND SURFACE (FEET)	DATE OF MEASUREMENT MYR			
337				5	10	366			
338				S					
339	25	2							*
340	90	12		3					*
341	70	5		S					
342				1					
343									
344				S					
345				S					
346				5					
347									
348				S					
349				T	6	366			
350				5	7	366			
351									
352									
353					36	366			
354	100			5					*
355				6	29	063			
356	35				37	662		64	*
357									
358									
359									
360									
361		18			28	366			
362	314	6	28	0					*
363	70	70	6	5			4	63	
364									
365					63	366			
366					70	366			
367								103	*
368				6				61	*
369					54	366			
370	236								
371	185			5	148	366	100	69	
372	120		12		74	866	350	64	
373	117	40		P	54	065	400		*
374					117	366			
375	118		12	U	55	366		66	*
376					76	366			*
377	112				90		350		*
378				5				64	*
379		8			64	358			
380					67	063			
381	115				55	366		66	*
382					61	366		62	*
383									
384					185	366			

TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALENA AREA, NEW MEXICO (CONT)

LOCATION	OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
385	SFSENE11T03S R01W		NMIMT				
386	NFNW12T03S R01W		MCNIERNEY		U		
387	NMNENW12T03S R01W	4601	FRANK MAHER				
388	NFSW12T03S R01W	4615	SHIRLEY GIRARD		P		
389	NFSW12T03S R01W	4610	PAVLONCK				
390	SNSW12T03S R01W	4616	NMIMT		U		1957
391	SFSW12T03S R01W	4615	B. RICHARDSON				
392	SMNENE12T03S R01W	4595					
393	SFNE12T03S R01W	4593					
394	NHSENE12T03S R01W	4593					
395	SSENE12T03S R01W	4593	JOHN MCHUE				
396	NWNWSW12T03S R01W	4620	NMIMT OLSEN				
397	NWNWSW12T03S R01W	4634	MANNING				
398	SWNWSW12T03S R01W	4635					
399	NWNE12T03S R01W	4610	WOODWARD		P	I	
400	NWNE12T03S R01W	4612	ERNEST MOORE		P		
401	SWNE12T03S R01W	4510	CARL DAGOSTINO				1960
402	SFNE12T03S R01W	4605	CITY OF SOCORRO		M	P	
403	SFSE12T03S R01W	4630	CARL OLIVER				
404	NHSE12T03S R01W	4602	MRS ARORA				
405	SFSE12T03S R01W	4592	H. SMODGRASS		P	H	W D
406	SWNW13T03S R01W	4670					
407	SWNE13T03S R01W	4655					
408	SENE13T03S R01W	4640	W J FATON				
409	SNSW13T03S R01W	4683	ALVIN PFARCE				
410	SWNE13T03S R01W	4635	A W ENLEN		P	H	
411	SFNE13T03S R01W	4617					
412	SFNE13T03S R01W	4603					
413	SFNE13T03S R01W	4597	SOCORRO H S				
414	NHSE13T03S R01W	4638	H D BURSUM				
415	NHSE13T03S R01W	4636	SAM LANE		P	H	W
416	NHSE13T03S R01W	4610	MISS HERRICK		P		
417	NHSE13T03S R01W	4632					
418	NHSE13T03S R01W	4617	HUSTON		P		
419	NHSE13T03S R01W	4617	C. WAGGONER		P		
420	SWNE13T03S R01W	4630	SMITH				
421	SNSW13T03S R01W	4630	HARRIET		P	I	W
422	SWNE13T03S R01W	4630					
423	SFSE13T03S R01W	4629	ISSAC CHAVEZ		P		
424	SFSE13T03S R01W	4628	BARNET		P		
425	NHSE13T03S R01W	4614	LA CASITA				
426	SWSE13T03S R01W		GEORGE SICKLES		P	H	W
427	SWSE13T03S R01W	4624	SICKLES		P	H	
428	SWSE13T03S R01W	4610	LA CASITA				
429	NWNWSW13T03S R01W	4693	WILLIAM MCCARTHY			H	
430	NESW24T03S R01W	4660	FAIR GROUNDS			H	
431	NHSE13T03S R01W	4648	CHAVEZ		P	H	W
432	NHSE13T03S R01W	4627	DAVIS CHAVEZ				





TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALENA AREA, NEW MEXICO (CONT)

LOCATION	OWNER	ALTITUDE (FEET)	OWNER-- SHI-	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
433	MFENESE13T03S R01W	4630					
434	MFENESE14T03S R01W	4650					
435	SFENESE14T03S R01W	4675	P				
436	SFSWNE14T03S R01W	4 43		P			
437	MWNESE14T03S R01W	4770					
438	SENESE14T03S R01W	4764					
439	MFENESE16T03S R01W	4925					
440	SWSWNE16T03S R01W	5080					
441	SFSWSW16T03S R01W	5306					1956
442	SWNESE16T03S R01W	5200		H			
443	SFSENE19T03S R01W	5680					
444	MFSWNE20T03S R01W	5420					
445	MWNESE20T03S R01W	5480					1961
446	SWSWNE23T03S R01W	4810	F				1952
447	MWSWNE24T03S R01W	4712					1957
448	SFSENE24T03S R01W	4674					
449	SFSENE24T03S R01W	4680					
450	MFNWSW24T03S R01W	4787		I			
451	MWSWSE24T03S R01W	4589	P				
452	MWSWSE24T03S R01W	4586	P				
453	MWSWSE24T03S R01W	4752					
454	SFSWSE24T03S R01W	4757					
455	MWSWNE25T03S R01W	4640					
456	SWSWNE25T03S R01W	4760					
457	MWSWNW26T03S R01W	4941					
458	MWNSW26T03S R01W	4930	N		N		
459	MWSWSW27T03S R01W	4941	N		N		
460	SFSENE33T03S R01W	5155					
461	MFNWNE01T03S R02W	5651	P		U	D	
462	SFNESE08T03S R02W	6075			H		
463	SWNESE17T03S R02W	6106	P		S		
464	MWNSW20T03S R02W	6232	P		S		
465	SWNESE23T03S R02W	5864	P		S		
466	SWNESE23T03S R02W	5878			S		
467	SFSESE23T03S R02W	5673	P		U		
468	SFSESE23T03S R02W	5690			U		D
469	SWSWSW24T03S R02W	5680			U		
470	MWNSW25T03S R02W	5680					
471	MWNSW25T03S R02W	5680					
472	MWNESE25T03S R02W						D
473	MWNESE25T03S R02W	5560					
474	SWSESE25T03S R02W	5520					
475	MFNESE26T03S R02W	5680			S	W	
476	MWNESE26T03S R02W	5685					D
477	MFNWNE36T03S R02W	5760					
478	MWNESE01T03S R03W	6120					
479	MWNESE01T03S R03W	6104			S		
480	MFNWSW03T03S R03W	6800					

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH OF WELL (FEET)	DEPTH CASED OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (*)
					BELOW GROUND SURFACE (FEET)	DATE OF MEASURE- MENT MYR			
433				6					
434					104	666			
435		6		T					
436	300	16		V			250	66	*
437					195	366			
438		10		V	188	N63			
439	60								
440									
441	104								
442	300	251	6	P	5	210	56	20	*
443	64								
444	15								
445	58					767			
446	300				240	661			
447		6		S	136	453	7	64	
448	175	8		5	102				
449		161	6	P					
450		6		S	215	N63			
451	65			5					
452				1					
453		4		S					
454		6		6	185	366			
455									
456	220	8		S	186	N63			*
457				5	371	366			
458	440	440	8		370		100		*
459	285						6		*
460	58	6		6	24	767			
461		48			22	760			
462				5	355	660		64	*
463	400			6	380	660			
464	540			6	440	660			
465				6	113	466		64	*
466	173	5		6	111	767			
467	100								
468	30				30				
469	30								
470				6	124	762			
471					27	466			
472	30								
473				6	28	466			
474									*
475	180			6	120	767			
476					27	767			
477	155				41	767			
478				6	391	867			
479	385			6	368	660			
480					57	762			

TABLE 1. RECORDS OF WELLS IN SOCORRO MAGDALENA AREA, NEW MEXICO (CONT)

	LOCATION	OWNER	ALTITUDE (FEET)	OWNER- SHIP	WATER USE	WELL USE	METHOD DRILLED	YEAR DRILLED
481	NWSENE10T03S R03W		6831		H			1965
482	NFNESE10T03S R03W	STROZZI ALLOTME	6740			T		
483	NFNWSE10T03S R03W	S. STROZZI	6810					
484	SWNWSW11T03S R03W	S. STROZZI	6650					
485	SFNWSW11T03S R03W	S. STROZZI	6650					
486	NWSWSW13T03S R03W	CIBOLA NATL FOR	6520					
487	NWNESW13T03S R03W		6480					
488	NFSWSW21T03S R03W							
489	NFNWNE23T03S R03W	HALL	6593	P	H		D	
490	NWNENE23T03S R03W	CIBOLA NAT,LFOR	6580					
491	NFSESW23T03S R03W	KELLY	6677		H			
492	NFSESW23T03S R03W	KELLY			H			
493	NWNWSE23T03S R03W		6680					
494	NWNW26T03S R03W		7000					
495	NWNW26T03S R03W		7000					
496	NWNWNE26T03S R03W	SANTA FE R.R.	6680				D	1890
497	NWNWNE26T03S R03W	CIBOLANATFORFST	6800		S			
498	SWNWNW26T03S R03W	CIBOLANATFORFST	6800					
499	NWNWNE27T03S R03W		7000					
500	NWNWNE27T03S R03W	CIBOLA FORFST	7000		S			
501	NFSWSW34T03S R03W	CIBOLA FORFST	7200		S			
502	NWNENW02T03S R04W	DONALDHUTCHISON	6915					
503	NWNWNE02T03S R04W	DON HUTCHISON	6950					
504	NWNWNE02T03S R04W	DON HUTCHISON	6950				D	1938
505	SFNESW11T03S R04W	DON HUTCHISON	7350				D	
506	NW12T03S R04W		7200					
507	SFSESE05T04S R01E	FRANK FERNANDEZ	4575	P	S			
508	06T04S R01E	KOPPEL BROTHERS	4575	P				
509	SWSWNW06T04S R01E	MIKE PADILLA		P	H			
510	SESENE08T04S R01E	CALSO OTERO	4575	P	S			1952
511	NENESE08T04S R01E	AMBROSE ARMIJO	4575	P	H			
512	NFNESW16T04S R01E	FRANK FERNANDEZ	4575	P	H			
513	NE17T04S R01E	LAWTON MUNCY	4575	P				
514	NWSWNE17T04S R01E	TOCCIVER	4560	P	I			
515	SWSE20T04S R01E	WALTER DUNCAN	4550	P	I			
516	SWSENE21T04S R01E	JOHNNIE VIGIL	4560					
517	NWNW27T04S R01E		4560					
518	SE30T04S R01E	ROBERT OLGUIN	4625	P				
519	NENESW32T04S R01E		4540					1955
520	NFNWNE22T04S R01W	MCA I1 NEW	5000					
521	NWNWNE23T04S R01W	MCA #2 OLD	5000					
522	NWNENW23T04S R01W	MCA #2	5000					
523	NE17T05S R01E	APACHE LAND CO.	4520		I			

TABLE 1. RECORDS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH OF WELL (FEET)	DEPTH CASING OR FIRST PERF.	DIAMETER OF WELL (INCHES)	WELL FINISH	POWER	WATER LEVEL		YIELD OF WELL (GPM)	TEMPERATURE (FAHR.)	CHEMICAL ANALYSES (*)
					BLOW (GROUND SURFACE) (FEET)	DATE OF MEASUREMENT MYR			
481	150			6					
482	1850				175	767			
483	150			6	88	767			
484	660	480	5		470	767			
485	600		6						
486				6	76	767			
487					74	466			
488	61				20	767			
489	95			5	70	660			
490	85			6	59	767		59	*
491	40				5	466			
492	65		5	6	17	767			
493					8	466			
494									
495								36	*
496									
497							40	64	*
498							30	73	*
499							2	45	*
500								48	*
501								45	*
502	125								
503	68				63				
504	150			5	64				
505				6	9	662			
506									
507	100		5	6	22	552		67	*
508	89		16	P	68	454			
509	40		5		15	955	2		*
510	15		5	6				64	*
511	22	18	6	3	8	552		62	*
512				6	14	552		68	*
513	125	57	16	P					
514									
515	89		16	P	5				*
516				6					
517				6	10	552			
518	154	154	18	P					
519		61		P					
520	570	565	12	P		480	800		
521	503		12		3	423	500		
522	503								*
523	119	42	18	P					

TABLE 2. RECORDS OF CHEMICAL ANALYSES OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO  
(CONCENTRATIONS IN PPM EXCEPT AS NOTED)

LOCATION	DATE OF COLLECTION	TEMPERATURE (FAHR.)	PH	SILICA	CALCIUM	MAGNESIUM	SODIUM	POTASSIUM	BICARBONATE
2 SWNWSW23T01S R01E			7.4	.	213.	77.	545.	.	263
5 SESWSW14T01S R01W	32061	70	7.5	.	259.	96.	519.	.	264
8 NWSWSE14T01S R01W	31861	70	7.7	.	110.	31.	181.	.	312
10 SESENE22T01S R01W		68	7.5	50.	.	.	554.	.	196
11 SENESW22T01S R01W		70	7.5	.	171.	49.	264.	.	356
12 NENENW23T01S R01W			7.5	.	195.	60.	647.	.	337
13 NWNWSW23T01S R01W			7.4	.	400.	132.	683.	.	263
15 NWSWSW23T01S R01W			7.7	.	171.	64.	509.	.	390
16 SWSWSW23T01S R01W			7.7	.	186.	62.	505.	.	371
17 NWSWSE23T01S R01W			7.8	38.	.	.	320.	1.1	351
19 SESESE23T01S R01W	41151		.	38.	156.	49.	339.	C.	232
21 NWESENW25T01S R01W	52852		7.4	28.	75.	10.	93.	.	207
24 NWSWNW26T01S R01W	52858		7.8	30.	.	.	536.	8.8	350
26 NESENE26T01S R01W			7.6	53.	154.	43.	202.	C.	249
			7.7	.	94.	23.	310.	.	366
28 NESENE27T01S R01W			7.7	.	142.	44.	360.	.	390
31 NENESE27T01S R01W	52858		7.5	31.	.	.	214.	6.6	508
32 SESWSE27T01S R01W			7.6	.	150.	31.	140.	.	293
33 NESESE27T01S R01W			7.3	.	177.	41.	141.	.	366
34 SESESE27T01S R01W	31458		7.6	26.	.	.	110.	.	351
36 NENESE34T01S R01W			7.8	.	80.	15.	58.	.	190
42 NESENW35T01S R01W			7.8	.	72.	26.	115.	.	263
43 NWNENW30T01S R02W			7.9	.	22.	6.	33.	.	141
45 NWSWNW12T01S R03W			.	.	42.	.	.	.	.
47 SWSWSE33T01S R03W			7.7	.	34.	8.	23.	.	156
50 SWSE07T02S R01E	52352		.	.	.	.	.	.	.
51 NWNWSE19T02S R01E	52252		.	.	.	.	.	.	.
53 NWNWSW19T02S R01E	42358		7.7	21.	.	.	84.	.	217
54 NWNESW19T02S R01E	52052		.	.	.	.	.	.	.
56 NWNWSE19T02S R01E	52252		.	.	.	.	.	.	.
59 NWESENE30T02S R01E	52352		.	.	.	.	.	.	.
61 NENENE31T02S R01E	52352		.	.	.	.	.	.	.
70 SWSWSW01T02S R01W			8.0	.	74.	15.	36.	.	171
71 NESESW01T02S R01W			7.5	.	62.	9.	183.	.	268
75 SESESW02T02S R01W			7.5	.	214.	33.	179.	.	430
77 SWNWSE02T02S R01W			7.5	.	150.	25.	263.	.	478
79 SESWSE02T02S R01W			7.6	.	203.	40.	162.	.	342
80 SESESE02T02S R01W			.	.	120.	19.	.	.	.
81 SENWNW11T02S R01W			7.7	.	121.	26.	85.	.	307
83 SENENW11T02S R01W			7.7	.	128.	21.	95.	.	273
84 SWNWNE11T02S R01W			7.7	.	98.	23.	238.	.	351
85 NENENE11T02S R01W	1 58		8.0	26.	.	.	133.	6.6	139
86 NENENE11T02S R01W			7.2	.	218.	40.	259.	.	425
87 NWESENE11T02S R01W			7.5	.	253.	62.	148.	.	503
88 NESENE11T02S R01W			.	25.	.	.	.	.	408
89 SESENE11T02S R01W	5 54		.	24.	.	.	.	86.	290
91 SENWSW12T02S R01W			7.5	.	230.	56.	328.	.	542
94 SWNWNW13T02S R01W	72952		.	33.	244.	41.	.	.	480

TABLE 2. RECORDS OF CHEMICAL ANALYSES OF WELLS (CONT)

	CARBONATE	SULFATE	CHLORIDE	FLUORIDE	BORON	ALUMINUM	IRON	HARDNESS		TOTAL DISSOLVED SOLIDS	SPECIFIC CONDUCTANCE
								CALCIUM MAGNESIUM	NON-CARBONATE		
2		830.	676.	.	.	.	.	848		2370	
5		800.	796.	.	.	.	.	1044		2810	
8		310.	154.	.	.	.	.	408		948	
10		861.	1180.	.3	.	.	.	1520	1360		
11		500.	276.	.	.	.	.	628		1538	
12		870.	680.	.	.	.	.	736		2660	
13		1060.	1204.	.	.	.	.	1552		3788	
15		780.	472.	.	.	.	.	692		2336	
16		820.	468.	.	.	.	.	720		2480	
17		347.	440.	1.4	0.4	.	.	475	278		
19		329.	562.	.4	.	.	.	590	400		
21		182.	49.	0.4	.	.	.	228		58	
24		861.	450.	1.6	0.9	.	.	635	348		
26		318.	329.	0.4	.	.	.	561	357		
26		476.	148.	.	.	.	.	332		1060	
28		590.	272.	.	.	.	.	536		1638	
31		582.	119.	1.7	.3	.	.	725	308		
32		420.	92.	.	.	.	.	500		1004	
33		420.	128.	.	.	.	.	612		1104	
34		415.	102.	0.3	.	.	.	626	338		
36		152.	52.	.	.	.	.	264		464	
42		248.	44.	.	.	.	.	288			
43		18.	12.	.	.	.	.	80		168	
45		108.	60.	.	.	.	.	164			
47		18.	14.	.	.	.	.	120		190	
50		.	41.	.	.	.	.	290		580	
51		.	43.	.	.	.	.	378		630	
53		199.	45.	1.4	.	.	.	270	92		
54		.	34.	.	.	.	.			560	
56		.	33.	.	.	.	.	326		610	
59		.	21.	.	.	.	.	158		331	
61		.	500.	.	.	.	.	730		1830	
70		128.	36.	.	.	.	.	244		362	
71		268.	64.	.	.	.	.	192		672	
75		560.	88.	.	.	.	.	672		1136	
77		500.	96.	.	.	.	.	488		1218	
79		540.	128.	.	.	.	.	672		1176	
80		240.	72.	.	.	.	.	380		622	
81		240.	64.	.	.	.	.	412		640	
83		320.	52.	.	.	.	.	408		660	
84		400.	108.7	.	.	.	.	340		962	
85		433.	90.	1.1	.2	.	.	394	280		
86		660.	168.	.	.	.	.	708		1450	
87		550.	160.	.	.	.	.	888		1534	
88	8	479.	122.	.	.	.	.	765	418		
89		263.	65.	.2	.	.	.	416	178		
91		850.	134.	.	.	.	.	808		1650	
94		727.	120.	.3	.	.	.	778	384		

TABLE 2. RECORDS OF CHEMICAL ANALYSES OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)  
(CONCENTRATIONS IN PPM EXCEPT AS NOTED)

LOCATION	DATE OF COLLECTION	TEMPERATURE (FAHR.)	PH	SILICA	CALCIUM	MAGNESIUM	SODIUM	POTASSIUM	BICARBONATE
96. SESWNW13T02S R01W			7.7	.	179.	42.	117.	.	334
97 NWNWSW13T02S R01W			7.6	.	154.	39.	178.	.	352
102 NWSSENW22T02S R01W			7.5	.	67.	24.	96.	.	224
103 SWNESE24T02S R01W			7.4	.	110.	21.	72.	.	273
104 NWNENW24T02S R01W			7.3	.	200.	80.	284.	.	684
105 NWSWSE24T02S R01W			7.2	.	117.	41.	172.	.	415
106 NENENW25T02S R01W			7.4	.	122.	23.	90.	.	244
107 NESENW25T02S R01W			7.0	.	48.	17.	74.	.	229
108 SWNWNE25T02S R01W			7.8	38.	.	.	41.	4.2	192
110 NENESW25T02S R01W	30759		7.3	34.	.	.	52.	3.4	186
111 SWNESW25T02S R01W			7.6	.	43.	10.	48.	.	161
115 NWSSEW25T02S R01W			7.0	.	48.	15.	72.	.	190
117 SESESW25T02S R01W			7.4	.	46.	12.	60.	.	185
123 NENWSW29T02S R01W			.	.	56.	10.	105.	.	232
125 NWNENE35T02S R01W			7.6	.	34.	9.	32.	.	146
			.	33.	41.	9.	26.	C.	150
129 NWNWNW36T02S R01W			7.7	.	34.	12.	38.	.	176
130 SESWNW36T02S R01W			7.6	.	38.	11.	45.	.	176
134 NESENW36T02S R01W			7.4	.	37.	8.	70.	.	195
138 SESENW36T02S R01W			7.5	32.	.	.	79.	4.5	166
140 SENWNE36T02S R01W			7.3	.	70.	21.	61.	.	278
143 NENWSW36T02S R01W			7.5	.	40.	12.	37.	.	171
146 SENWSW36T02S R01W			7.6	.	38.	13.	39.	.	185
147 SENWSW36T02S R01W			7.4	.	40.	12.	46.	.	195
167 NWSSEW36T02S R01W			7.4	.	259.	67.	378.	.	503
169 NWSSEW36T02S R01W			7.5	.	42.	13.	41.	.	185
180 SWSWSE36T02S R01W			7.6	.	43.	14.	41.	.	176
184 NWSSE36T02S R01W	12066		7.4	27.	67.	8.5	36.	3.8	173
190 NENWNW18T02S R02W			7.8	.	34.	8.	32.	.	181
192 NENESE19T02S R02W			7.8	.	30.	9.	24.	.	181
195 NWNWSW20T02S R02W			7.9	30.	52.	C.	21.	.	172
200 NESWSE34T02S R02W			7.8	.	68.	10.	19.	.	244
			.	.	66.	8.9	16.	1.6	220
	41065		7.6	27.	66.	8.9	16.	1.6	220
202 NWNESW35T02S R02W			8.2	.	46.	3.	28.	C.	190
203 SWNESW35T02S R02W			7.9	.	59.	9.	20.	.	200
206 NENESW01T02S R03W	63060		7.9	.	26.	7.	35.	.	161
208 SWSWSE07T02S R03W			7.6	.	67.	15.	.	10.	234
209 SWSWSH11T02S R03W			7.9	.	30.	7.	32.	.	161
	8 966		7.9	27.	30.	4.1	19.	1.3	132
213 SENWNW22T02S R03W			7.8	.	41.	4.	30.	.	166
215 NWNWSE24T02S R03W			8.3	.	35.	9.	35.	.	190
217 SWSWNW25T02S R03W			7.7	.	34.	11.	25.	.	171
218 SWNENE27T02S R03W			7.8	.	44.	10.	18.	.	166
221 NWSSEW12T02S R04W			7.1	.	64.	19.	.	29.	244
222 SWSWSE13T02S R04W			7.2	.	58.	12.	26.	.	234
227 NWNESW23T02S R04W			7.3	.	67.	16.	25.	.	229
249 SESESW06T03S R01E			7.5	32.	.	.	103.	7.5	448

TABLE 2. RECORDS OF CHEMICAL ANALYSES OF WELLS (CONT)

	CARBONATE	SULFATE	CHLORIDE	FLUORIDE	BORON	ALUMINUM	IRON	HARDNESS		TOTAL DISSOLVED SOLIDS	SPECIFIC CONDUCTANCE
								CALCIUM MAGNESIUM	NON-CARBONATE		
96		380.	144.	.	.	.	.	620		1008	
97		390.	168.	.	.	.	.	542		1018	
102		240.	28.	.	.	.	.	272		542	
103		220.	44.	.	.	.	.	364		590	
104		690.	116.	.	.	.	.	828		1572	
105		350.	92.	.	.	.	.	460		988	
106		260.	88.	.	.	.	.	400		726	
107		112.	32.	.	.	.	.	188		456	
108		195.	53.	0.9	.2	.	.	345	188		
110		49.	18.	0.6	0.3	.	.	109			
111		82.	24.	.	.	.	.	148		300	
115		126.	36.	.	.	.	.	184		442	
117		96.	28.	.	.	.	.	164		378	
122		181.	21.	.	.	.	.				
125		48.	16.	.	.	.	.	120		228	
125		48.	15.	.6	.	.	.	140	16		
129		48.	16.	.	.	.	.	132		254	
130		60.	22.	.	.	.	.	140		250	
134		80.	24.	.	.	.	.	124		286	
138		199.	86.	.8	.2	.	.	287	151		
140		100.	44.	.	.	.	.	260		492	
143		56.	22.	.	.	.	.	148		242	
146		48.	22.	.	.	.	.	148		254	
147		56.	22.	.	.	.	.	148		292	
167	1000.		204.	.	.	.	.	924		2352	
169		60.	24.	.	.	.	.	156		284	
180		72.	24.	.	.	.	.	168		288	
184		85.	33.	0.2	0.1	.	0.02	202	60		
190		20.	12.	.	.	.	.	118		168	
192		16.	14.	.	.	.	.	132		188	
195		20.	8.5	.2	.	.	.	130			
200		16.	26.	.	.	.	.	210		290	
200		16.	20.	.	.	.	.				
200		16.	20.	.	.	.	.	201		276	
202		18.	12.	.	.	.	.	130			
203		16.	34.	.	.	.	.	186		270	
206		18.	14.	.	.	.	.	94		150	
208		28.	20.	.	.	.	.	228		302	
209		22.	12.	.	.	.	.	104		168	
209		17.	4.4	.5	.	.	.11				260
213		24.	16.	.	.	.	.	120		204	
215		20.	14.	.	.	.	.	126		196	
217		20.	16.	.	.	.	.	128		188	
218		22.	22.	.	.	.	.	150		206	
221		64.	24.	.	.	.	.	240		328	
222		32.	18.	.	.	.	.	192		282	
227		32.	18.	.	.	.	.	192		270	
249		482.	109.	.	.	.	.	804	437		



TABLE 2. RECORDS OF CHEMICAL ANALYSES OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)  
(CONCENTRATIONS IN PPM EXCEPT AS NOTED)

LOCATION	DATE OF COLLECTION	TEMPERATURE (FAHR.)	PH	SILICA	CALCIUM	MAGNESIUM	SODIUM	POTASSIUM	BICARBONATE
291	SESENW19T03S R01E	31259	60	7.50	30.	.	102.0	5.8	325
293	SESENW19T03S R01E	31259		7.40	36.	.	212.0	7.0	348
295	SESENW19T03S R01E	31259		7.3	32.	.	106.	7.3	361
305	SENNW29T03S R01E	31259	55	7.6	30.	.	65.	4.3	209
308	NESWSE30T03S R01E			7.2	26.	.	22.	2.4	124
321				.	.	.	.	.	122
336	NENENE01T03S R01W	031159		7.2	30.0	.	31.	3.1	138
339	NENENE01T03S R01W	031159		7.4	29.	.	232.	9.3	425
340	SENEE01T03S R01W	052252		.	41.	.	211.	7.3	421
354	NWSENE02T03S R01W			7.6	.	98.	25.	115.	310
356	SENWSE02T03S R01W			7.2	.	74.	15.	55.	205
362	NWSESE02T03S R01W	92852		.	48.	87.	23.	232.	358
367	SWSWSE04T03S R01W	82366	103	7.7	23.	68.	2.1	626.	83
368	SENWSW07T03S R01W			7.4	.	83.	21.	53.	224
373	NENWNE11T03S R01W	12066		7.6	32.	65.	6.3	38.	158
375	NENWNE11T03S R01W			7.7	30.	.	.	129.	161
376	SENWNE11T03S R01W	4 258		7.8	31.	.	.	46.	183
		1 766		7.9	30.	144.	17.	87.	238
377	SENWNE11T03S R01W	21364		7.2	35.	115.	13.	69.	220
378				7.6	.	56.	13.	43.	180
381	NWSENE11T03S R01W	12066		7.5	30.	154.	20.	138.	290
				7.5	.	82.	14.	132.	258
382	NWSENE11T03S R01W			7.5	29.	123.	.	70.	256
385	SESENE11T03S R01W			.	26.	89.	12.	70.	224
388	NESWNE12T03S R01W			7.8	40.	.	.	309.	358
396	NWNWSW12T03S R01W	30154		.	34.	.	.	87.	290
399	NWNESW12T03S R01W	62759		7.9	61.	.	.	177.	395
400	NWNESW12T03S R01W	40358		7.7	32.	.	.	386.	477
402	SENESW12T03S R01W			7.5	30.	.	.	55.	176
408	SENEW13T03S R01W			7.0	.	104.	18.	97.	351
410	SWNWNE13T03S R01W			7.2	.	96.	19.	150.	361
		101160		7.5	45.	.	.	152.	410
421	SWSWNE13T03S R01W	31859		7.5	45.	56.	.	141.	339
426	SWSENE13T03S R01W			7.5	.	82.	16.	190.	366
427	SWSENE13T03S R01W			6.9	.	115.	23.	296.	547
429	NWNWSW13T03S R01W			7.6	.	37.	12.	68.	268
430	NESW13T03S R01W	20359		7.3	40.	.	.	52.	186
431	NWNWSE13T03S R01W			7.8	.	69.	12.	153.	376
436	SESWNE14T03S R01W	40358		7.8	39.	.	.	43.	169
442	SWNESW16T03S R01W	72456		8.5	26.	.	.	53.	145
		122061		8.0	.	18.	5.	55.	166
		41065		7.6	27.	20.	4.6	56.	163
456	SWSWNE25T03S R01W			7.8	35.	.	.	64.	206
458	NWNWSW26T03S R01W			7.6	43.	.	.	191.	162
459	NWSWSW27T03S R01W	52958		7.9	38.	.	.	61.	225
462	SENESE08T03S R02W			7.7	.	61.	8.	40.	278
465	SWNENW23T03S R02W	52		7.7	.	47.	8.	34.	205
		65		7.6	.	50.	7.1	.	180

TABLE 2. RECORDS OF CHEMICAL ANALYSES OF WELLS (CONT)

	CARBONATE	SULFATE	CHLORIDE	FLUORIDE	BORON	ALUMINUM	IRON	HARDNESS		TOTAL DISSOLVED SOLIDS	SPECIFIC CONDUCTANCE
								CALCIUM MAGNESIUM	NON-CARBONATE		
291		333.	88.	0.6	0.4	.	.	504	238		1300
293		469.	102.0	0.5	0.1	.	.	450	165		
295		558.	131.	0.1	.	.	.	818	522		
305		172.	43.	0.6	0.3	.	.	263	92		
308		29.	14.	0.6	0.2	.	.	99			
321		.	282.	.	69.8	.	.				
336		48.	18.	.8	.4	.	.	115	2		356
339		492.	98.	0.1	0.8	.	.	482	134		1770
340		488.	100.	0.5	0.5	.	.	514	169		1710
354		292.	32.	.	.	.	.				
356		120.	52.	.	.	.	.	244		480	
362		400.	70.	.3	.	.	.	312	318		
367		163.	945.	1.1	0.6	.	.27	178	110		3460
368		152.	48.	.	.	.	.	296		472	
373		106.	16.	0.6	0.1	.	.	188	58		
375		60.	7.5	0.4	.	.	.	144	12		
376		121.	28.	.5	0.1	.	.	212	62		
376		303.	65.	0.5	0.3	.	.	429	233		1150
377		228.	53.	0.5	0.2	.	0.04	342	162		
378		108.	20.	.	.	.	.	192		378	
381		384.	89.	.4	0.3	.	.02	465	228		
381		260.	48.	.	.	.	.	260		602	
382		218.	56.	0.3	0.2	.	.01	370	160		
385		174.	42.	0.2	.	.	.	273	88		
388		578.	207.	1.3	0.4	.	.	515	222		
396		309.	82.	0.4	.	.	.	490	252		
399		224.	75.	0.9	.	.	.	280			
400		817.	195.	.8	0.2	.	.	665	274		
402		85.	22.	0.4	.	.	.	146	2		
408		160.	64.	.	.	.	.	332		726	
410		252.	60.	.	.	.	.	320		728	
410		255.	74.	0.5	.	.	.	408	72		
421		18.6	56.	0.8	0.4	.	.	247			
426		228.	104.	.	.	.	.	268		904	
427		352.	150.	.	.	.	.	384		1320	
429		40.	20.	.	.	.	.	140		364	
430		49.	18.	0.6	0.3	.	.	109			
431		160.	56.	.	.	.	.	220		658	
436		66.	18.	0.7	0.1	.	.	134			
442	8	37.	14.	0.6	0.8	.	.	78			
442		32.	12.	.	.	.	.	68			
442		36.	14.	.	.	.	.	69			
456		68.	12.	0.8	.	.	.	122			
458		.	234.	0.5	.	.	.	162	29		
459		113.	23.	0.8	0.1	.	.	204	20		
462		24.	14.	.	.	.	.	186		234	
465		20.	26.	.	.	.	.	150		280	
465		.	.	.	.	.	.	154			

TABLE 2. RECORDS OF CHEMICAL ANALYSES OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)  
(CONCENTRATIONS IN PPM EXCEPT AS NOTED)

LOCATION	DATE OF COLLECTION	TEMPERATURE (FAHR.)	PH	SILICA	CALCIUM	MAGNESIUM	SODIUM	POTASSIUM	BICARBONATE
474 SWESE25T03S R02W		.	.	.	29.	8.	.	.	
490 NWNENE23T03S R03W	041065	7.4	22.	101.	14.	14.	1.2		338
495 NNNW26T03S R03W		8.2	.	67.	8.	9.	.		224
497 NNNW26T03S R03W	51062	8.5	.	62.	12.	19.	C.		229
498 SNNW26T03S R03W	51062	8.7	.	54.	9.	15.	.		188
499 NNNW27T03S R03W	11764	7.3	.	96.	12.	15.3	C.		314
500 NNNW27T03S R03W	20863	.	8.2	105.	16.	5.	C.		355
501 NESWS34T03S R03W		7.8	.	65.	10.	10.	C.		237
507 SESE05T04S R01E	52352	.	.	.	.	.	.		
509 SWSNW06T04S R01E	90155	.	44.	57.	11.	195.	C.		243
510 SESE08T04S R01E	52352	.	.	.	.	.	.		
511 NENE08T04S R01E	52352	.	.	.	.	.	.		
512 NENSW16T04S R01E	52352	.	.	.	.	.	.		
515 SWSE20T04S R01E	22952	.	46.	98.	36.	743.	C.		290
522 NWNENW23T04S R01W	54	.	38.	.	.	82.	C.		100

TABLE 2. RECORDS OF CHEMICAL ANALYSES OF WELLS (CONT)

	CARBONATE	SULFATE	CHLORIDE	FLUORIDE	BORON	ALUMINUM	IRON	HARDNESS		TOTAL DISSOLVED SOLIDS	SPECIFIC CONDUCTANCE
								CALCIUM MAGNESIUM	NON-CARBONATE		
474		108.	22.								
490		49.	6.0	.	.	.	.	308			
495		28.	4.	.	.	.	.	168			
497	5	34.	10.	.	.	.	.	206			
498	10	20.	8.	.	.	.	.	170			
499		52.	4.4	0.3	0.1	.	.	290		360	
500		44.	.								
501		10.	15.	.	.	.	.			202	
507		1.	20.	.	.	.	.	164		289	
509		231.	120.	.	.	.	.	187			
510		.	33.	.	.	.	.	226		483	
511		.	33.	.	.	.	.	194		374	
512		.	28.	.	.	.	.	178		384	
515		642.	780.	.	.	.	.	392	155	2490	
522		113.	154.	0.2	.	.	.	240	158		

TABLE 3. RECORDS OF SPRINGS IN SOCORRO AND MAGDALENA ARFA, NEW MEXICO

LOCATION	OWNER OR NAME	TOPOGRAPHIC SETTING	ALTITUDE (FEET)	AQUIFER		DISCHARGE		TEMPERATURE ( F )	CHEMICAL ANALYSES (* )
				SYSTEM	LITHOLOGY	GPM	DATE OF MEAS.		
1	SWNW07T01NR02W		5200	N	S	15	3963	70	*
2	SFSE07T01NR02W		5720	A	V	1	6962	67	*
3	NENW08T01NR02W		5200	Q	X	4	3963	61	*
4	SFSE27T01NR03W		5620	Q	R		3953	43	*
5	NFNW11T01SR02W		5520		R			49	*
6	SWNW11T01SR02W		5500	T			4963	57	*
7	SWNW11T01SR02W		5500	T			4963	61	*
8	SWNW11T01SR02W		5500		S		4963		*
9	SWNW11T01SR02W		5500				4963		*
10	SWNW11T01SR02W		5500		S		4963		*
11	SFNW11T01SR02W	SANLORENZO SPR.	5480	A	R	10	3963		*
12	SFNW12T01SR02W		5280	T		2	3963		*
13	NFSE11T01SR02W		5360	A	R	10	3963	57	*
14	SWNW14T02SR01E		4990	A	R	1	3963		*
15	SFNW14T02SR01E		5000	A	R	2	3963		*
16	NE14T02SR01E	OJO DE LAPARIDA	5030	A	B		0950		*
17	NFNE14T02SR01E	OJO DELAPARIDA	5030	A	R	20	6960		*
18	NFSE22T02SR01E	OJO DEL COYOTE	5010		V		6962		*
19	NW26T02SR01E	CHUPADERO SPR	4910		YV		6960		*
20	NFNW26T02SR01E	CHUPADERO	4910		YV	H	6962		*
21	NE27T02SR01E	OJO DE AMADO	4990		R		6960		*
22	SFNE27T02SR01E	OJO DE AMADO	4990		R		6962	64	*
23	SWNE30T02SR02E	OJORANCHO LOPEZ	5210		V		6962		*
24	NWSE19T02SR01W	J.B.KELLY	5300	T		10			*
25	SFSE30T02SR01W	J.B.KELLY	5130	Q	S	4	5962	55	*
26	SFSE30T02SR01W	J.B.KELLY	5140	Q	S	1	5962	66	*
27	NFNW31T02SR01W	J.B.KELLY	5240	Q	X	2	5962	57	*
28	NFNW31T02SR01W	J.B.KELLY	5260	Q	S	2		59	*
29	SFNW31T02SR01W	J.B.KELLY	5350	Q	X	1	5962	55	*
30	NWSW31T02SR01W	J.B.KELLY	5440	Q	S	2	5962	61	*
31	NFSW35T02SR02W	PETE STROZZI	5680		S		5962	61	*
32	NFSW35T02SR02W	PETE STROZZI	5680		S		6960		*
33	NFSW35T02SR02W	STORM RANCH	5700		P		6960		*
34	NFSW35T02SR02W	P STROZZI	5700					61	*
35	NFSW35T02SR02W	PETE STROZZI	5680	Q	S	2	5962	61	*
36	SFSE35T02SR02W	STROZZI RANCH	5700	A	S	2	6960		*
37	SFSE24T03SR01E		5020	Q	X	2	3963	61	*
38	SWSW06T03SR01W	DOMINGO SPRING	5820	T			6960	64	*
39	NWSW15T03SR01W	COOK SPRING	4891	T		15		66	*
40	NWNW22T03SR01W	CITY OF SOCORRO	5000	T	J	292	0965		*
41	SWNW22T03SR01W	SEDILLA SPRING	5000	T				90	*
42	SFSW07T03SR02W		8080	N	L				*
43	NWSW07T03SR03W	PATTERSON TUNNEL	7825		J	40	7962		*
44	SFSW07T03SR03W		8080		L		7962		*
45	NWSW10T03SR03W	STROZZI	7080		L	2		63	*
46	SWNW19T03SR03W	DAN HUTCHISON	8280	T	J				*
47	NFSE20T03SR03W		7760		J	2		54	*
48	SFSW21T03SR03W	DARK CANYON	7400		A	7	4966	47	*
49	SWSE21T03SR03W		7280		A	12	4966	51	*

TABLE 3. RECORDS OF SPRINGS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

LOCATION	OWNER OR NAME	TOPOGRAPHIC SETTING	ALTITUDE (FEET)	AQUIFER		DISCHARGE		TEMPERATURE ( F )	CHEMICAL ANALYSES (*)
				SYSTEM	LITHOLOGY	GPM	DATE OF MEAS.		
50 NWNE27T03SR03W	NORTH FORK		6960		I	10	4966	52	
51 NFNE27T03SR03W			6840		L	12	4966		
52 SFSE27T03SR03W	WATERCANN FORK		7040		A	8	4966	48	*
53 SFSE33T03SR03W	U.S. FOREST		7800		J	7	4966	46	*
54 NESW34T03SR03W	U.S. FOREST		7360			10	4966	47	*
55 SWNW12T03SR04W	SOUTH CAMP		7335			3	6962		*
56 NWSW12T03SR04W	DON HUTCHISON		7275	T	J		6962		*
57 SFNE24T03SR04W	DON HUTCHISON		8020	Q	R	5	6962		*
58 SWNE26T03SR04W	ROCKSPRING CAN.	S	7600	T			5963		*
59 SFNE36T03SR04W	CIBOLA NAT FOREST		8760	T			5963		*
60 NWNE05T04SR01W	CHUPADERA SPRING		5200		Q		5962	63	*

//MAIN EXEC FORTRAN

TABLE 4. RECORDS OF CHEMICAL ANALYSES OF SPRINGS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO  
(CONCENTRATIONS IN PPM EXCEPT AS NOTED)

	LOCATION	DATE OF COLLECTION	TEMPERATURE (FAHR.)	PH	SILICA	CALCIUM	MAGNESIUM	SODIUM	POTASSIUM	BICARBONATE
1	SWNW07T01NRO2W	31463	7.2	.	.	171.	32.	792.	C.	383
2	SESE07T01NRO2W	61462	7.6	.	.	47.	19.	44.	C.	246
3	NENW08T01NRO2W	31463	8.0	.	.	23.	6.	175.	C.	251
4	SESE27T01NRO3W	31463	7.8	.	.	50.	12.	39.	C.	198
5	NENW11T01SRO2W		8.6	.	.	19.	4.	143.	.	383
6	SWNW11T01SRO2W	42563	9.0	.	.	0.1	.	139.	C.	244
7	SWNW11T01SRO2W	40863	9.3	21.	1.4	0.1	.	133.	C.	222
8	SWNW11T01SRO2W	41863	8.4	.	.	38.	10.	45.	.	234
9	SWNW11T01SRO2W		8.5	.	.	46.	10.	42.	C.	251
10	SWNW11T01SRO2W	41863	8.5	.	.	39.	9.	53.	C.	259
11	SENW11T01SRO2W	32163	8.5	.	.	30.	5.	94.	C.	285
12	SENW12T01SRO2W	32163	8.6	.	.	19.	11.	127.	.	305
13	NESE11T01SRO2W	32863	8.6	.	.	37.	7.	84.	C.	300
14	SWNW14T02SRO1E	31963	.	.	.	469.	87.	13.	C.	151
15	SENW14T02SRO1E	31563	.	.	.	411.	94.	6.	C.	156
16	NE14T02SRO1E	102750	7.9	21.	.	456.	113.	47.	C.	200
17	NENE14T02SRO1E	60660	7.7	25.	.	.	.	51.	C.	227
		60662	7.4	.	.	344.	86.	.	.	190
		31563	.	.	.	350.	93.	.	.	166
18	NESE22T02SRO1E	60662	7.9	.	.	638.	109.	302.	C.	317
19	NW26T02SRO1E	60660	7.5	.	.	.	.	128.	C.	214
20	NENW26T02SRO1E	60662	7.8	.	.	162.	87.	81.	C.	200
21	NE27T02SRO1E	60660	7.8	14.	.	.	.	12.1	C.	205
		42436	.	.	.	89.	33.	66.	C.	259
22	SENE27T02SRO1E	60662	8.1	.	.	114.	56.	97.	C.	256
23	SWNE30T02SRO2E	60662	7.7	.	.	72.	31.	14.	C.	315
24	NWSE19T02SRO1W		.	.	.	50.	12.	67.	.	308
25	SESE30T02SRO1W	50362	8.1	.	.	90.	12.	58.	.	264
26	SESE30T02SRO1W	50362	7.0	.	.	89.	11.	62.	C.	268
27	NENW31T02SRO1W	50362	8.0	.	.	46.	11.	65.	C.	207
28	NENW31T02SRO1W	50362	7.8	.	.	74.	13.	45.	C.	259
29	SENW31T02SRO1W	50362	7.9	.	.	60.	16.	47.	.	254
30	NWSW31T02SRO1W	50362	7.9	.	.	62.	9.	32.	C.	239
31	NESW35T02SRO2W	51062	8.4	.	.	50.	7.	29.	C.	227
32	NESW35T02SRO2W	62560	7.2	29.	.	.	.	21.	C.	196
33	NESW35T02SRO2W	62560	.	.	.	50.	7.	27.	C.	227
34	NESW35T02SRO2W		7.9	.	.	57.	6.3	.	.	220
35	NESW35T02SRO2W	51062	8.2	.	.	.	.	26.	.	237
36	SESW35T02SRO2W		7.4	31.	.	.	.	23.	C.	201
37	SESE24T03SRO1E	31563	.	.	.	408.	58.	228.	.	171
38	SWSW06T03SRO1W	51062	8.3	.	.	23.	5.	71.	.	183
39	NWSW15T03SRO1W	32058	8.1	28.	.	.	.	66.	3.0	175
		32362	.	.	.	17.	5.	63.	C.	16
		92464	.	.	.	13.	4.0	68.	3.4	158
40	NWNW22T03SRO1W	21736	.	.	.	19.	4.	58.	C.	168
		12457	7.8	27.	.	18.	3.9	54.	C.	154
		32058	8.4	39.	.	.	.	55.	3.0	160
		121261	8.1	.	.	18.	5.	50.	C.	163
		20563	.	.	.	13.	5.	52.	C.	156

TABLE 4. RECORDS OF CHEMICAL ANALYSES OF SPRINGS (CONT)

	CARBONATE	SULFATE	CHLORIDE	FLUORIDE	BORON	ALUMINUM	IRON	HARDNESS		TOTAL DISSOLVED SOLIDS	SPECIFIC CONDUCTANCE
								CALCIUM MAGNESIUM	NON-CARBONATE		
1		492.	1032.	.	.	.	.	582			
2		56.	22.	.	.	.	.	198			
3		128.	88.	.	.	.	.	84			
4		80.	10.	.	.	.	.	172			
5		32.	14.	.	.	.	.	66			
6		24.	14.	.	.	.	.				
7	31	.	16.	1.2	.	.	.	4		348	
8		32.	6.	.	.	.	.	136			
9		32.	6.	.	.	.	.	154			
10		28.	6.	.	.	.	.	136			
11		36.	14.	.	.	.	.	96			
12		80.	24.	.	.	.	.	94			
13		28.	12.	.	.	.	.	118			
14		1360.	12.	.	.	.	.	153			
15		1232.	12.	.	.	.	.	1416			
16		1460.	15.	.	.	.	.	1600			
17		1170.	13.	0.7	.	.	.	1300			
17		864.	12.	.	.	.	.	1214			
17		1056.	10.	.	.	.	.	1256			
18		2224.	88.	.	.	.	.	2044			
19		775.	34.	1.0	.	.	.	750			
20		696.	36.	.	.	.	.	764			
21		506.	35.	0.7	.	.	.	475			
21		251.	20.	.	.	.	.	359			
22		444.	38.	.	.	.	.	516			
23		28.	36.	.	.	.	.	306			
24		38.	20.	.	.	.	.	174			
25		150.	20.	.	.	.	.	274			
26		136.	20.	.	.	.	.	256			
27		104.	16.	.	.	.	.	160			
28		90.	20.	.	.	.	.	236			
29		80.	18.	.	.	.	.	216			
30		40.	16.	.	.	.	.	192			
31		10.	14.	.	.	.	.	154			
32		20.	8.2	0.4	.	.	.	152			
33		10.	14.	.	.	.	.				
34		.	.	.	.	.	.	168			
35		20.	12.	.	.	.	.	176			
36		12.	15.	.	.	.	.	150			
37		1520.	22.	.	.	.	.	1260			
38		48.	24.	.	.	.	.	78			
39		44.	14.	1.0	0.1	.	.	62			
39	5	40.	12.	.	.	.	.				
39	3	42.	14.	.	.	.	.				
40		30.	14.	1.2	.	.	.	63			
40		28.	15.	0.6	.	.	.	61		224	
40	5	33.	16.	0.7	0.1	.	.	134			
40		28.	8.	.	.	.	.				
40		20.	12.	.	.	.	.				



TABLE 4. RECORDS OF CHEMICAL ANALYSES OF SPRINGS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)  
(CONCENTRATIONS IN PPM EXCEPT AS NOTED)

	LOCATION	DATE OF COLLECTION	TEMPERATURE (FAHR.)	PH	SILICA	CALCIUM	MAGNESIUM	SODIUM	POTASSIUM	BICARBONATE
41	SNNW22T03SR01W	32058	88	7.8	27.	.	.	54.	2.9	159
		121261		8.4	.	18.	5.	50.	C.	154
		12264		.	31.	20.	3.2	54.	3.0	164
43	NNSW07T03SR03W	70162		7.3	17.	76.	6.4	7.8	C.	217
44	SESW07T03SR03W	70162		7.3	12.	105.	5.8	5.5	C.	305
45	NNSW10T03SR03W	72662		7.8	.	106.	23.	9.	.	388
46	SNNW19T03SR03W	63062		7.0	15.	54.	1.3	13.	.	125
47	NESE20T03SR03W	62866		7.9	19.	97.	18.	17.	2.5	330
48	SESW21T03SR03W	62866		7.8	22.	59.	6.6	9.0	1.1	213
49	SHSE21T03SR03W	41666		7.5	21.	76.	9.5	11.	1.8	269
52	SESE27T03SR03W	62866		8.2	22.	70.	9.5	10.	1.4	258
53	SESE33T03SR03W	62866		.	16.	56.	7.2	7.5	1.5	202
54	NESW34T03SR03W	62866		7.8	19.	66.	8.4	6.6	1.2	243
55	SNNW12T03SR04W	80362		7.7	.	.	.	.	.	210
56	NNSW12T03SR04W	63062		8.2	35.	21.	2.8	71.	C.	239
57	SENE24T03SR04W	63062		6.9	19.	46.	3.2	9.0	C.	129
58	SHNE26T03SR04W	52363		7.2	.	26.	1.	23.	C.	112
59	SENE36T03SR04W	52363		7.7	.	33.	1.	6.	C.	112
60	NHNE05T04SR01W	51762		8.3	.	39.	3.	372.	C.	444

TABLE 4. RECORDS OF CHEMICAL ANALYSES OF SPRINGS (CONT)

	CARBONATE	SULFATE	CHLORIDE	FLUORIDE	BORON	ALUMINUM	IRON	HARDNESS		TOTAL DISSOLVED SOLIDS	SPECIFIC CONDUCTANCE
								CALCIUM MAGNESIUM	NON-CARBONATE		
41		33.	14.	0.8	0.1	.	.	63			
41	5	24.	10.	.	.	.	.	64			
41		31.	12.	0.6	.	.	0.07				
43		43.	3.6	1.1	.	.	.	216		262	
44		35.	2.0	0.3	.	.	.	286		316	
45		48.	8.	.	.	.	.	358			
46		57.	1.4	0.3	.	.	.	140		208	
47		78.	6.4	0.2	.	.	.	318	48	372	641
48		17.	4.	0.2	.	.	.	175			367
49		27.	4.8	0.2	.	.	0.03	231	10	284	438
52		23.	3.6	0.2	0.1	.	.	216	4		439
53		19.	2.8	0.1	0.1	.	.	173	8	209	
54		21.	2.8	0.2	0.1	.	.	202	3		415
55		.	4.4	.	.	.	.				
56		8.6	8.2	0.5	.	.	.	64		266	
57		21.	9.6	0.2	.	.	.	128		174	
58		8.	4.	.	.	.	.	58			
59		4.	2.	.	.	.	.				
60		476.	42.	.	.	.	.	110			

TABLE 5. WATER LEVEL MEASUREMENTS OF WELLS IN SOCORRO AND MAGDALENA ARFA, NEW MEXICO

LOCATION	DATE	WATER LEVEL	DATE	WATER LFVFL	DATE	WATER LFVFL	DATE	WATER LFVFL
46 NWSWSW12T01S R03W	071962	119.32		.		.		.
47 SWSWSE33T01S R03W	071962	300.50		.		.		.
52 SWSWNE19T02S R01E	021662	40.60	070262	39.19	030663	41.05	031566	39.75
58 NESENE30T02S R01E	021662	9.77	070262	8.16	030663	9.72	072065	8.31
	031566	8.89		.		.		.
60 SWSWNW31T02S R01E	021562	7.07	062762	6.09	022763	7.02	111263	8.97
	031665	9.45	031066	8.98		.		.
67 SFSESW31T02S R01E	021562	10.09	062762	9.34	022763	9.91	111263	12.23
	031665	11.40	031066	10.40		.		.
68 NWSWSW32T02S R01E	021662	25.21	070262	22.37	030663	26.12	072065	22.20
	031566	25.69		.		.		.
92 NFNESW12T02S R01W	071862	22.81		.		.		.
93 NFNESW12T02S R01W	071862	20.11		.		.		.
112 SFNESW25T02S R01W	021562	24.69	062662	24.06	022763	24.96		.
118 SFSESW25T02S R01W	021562	37.21	062662	36.69	022763	37.49		.
132 NWSSENW36T02S R01W	021562	40.89	062662	40.33	022063	41.14		.
141 NWSWNE36T02S R01W	021562	20.45	062662	19.94		.		.
150 NWNESW36T02S R01W	021562	42.44	062662	42.53	022063	42.68	101563	43.33
159 NFNESW36T02S R01W	021562	31.21	062662	30.99	022063	31.53	101563	33.15
	032665	32.96	031466	32.44		.		.
178 SFSESW36T02S R01W	021562	24.99	062662	24.31	022263	25.29	111263	26.69
179 NWSWSF36T02S R01W	021562	15.78	062662	14.90	022763	15.97	111263	17.36
	031665	18.07	031066	17.29		.		.
192 NFNESE19T02S R02W	071862	120.61		.		.		.
195 NWNWSW20T02S R02W	071862	131.36		.		.		.
197 SWSWSW21T02S R02W	071862	154.25		.		.		.
202 NWNESW35T02S R02W	071862	23.82		.		.		.

TABLE 5. WATER LEVEL MEASUREMENTS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

LOCATION	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
207 SESESW07T02S R03W	072362	203.83		.		.		.
209 SWSWSW11T02S R03W	071862	243.83		.		.		.
211 NWNWNW22T02S R03W	072362	311.56		.		.		.
214 SWSENE23T02S R03W	071962	203.37		.		.		.
220 NFWNE27T02S R03W	072362	348.12		.		.		.
244 SFNWSW04T03S R01E	021662	106.99	070262	105.16	030663	109.80		.
247 NWNWE06T03S R01E	021562	9.26	062762	8.55	022763	9.14	111263	10.58
	031665	8.28	031066	8.34		.		.
257 SFNENW06T03S R01E	031066	11.21		.		.		.
260 SWNWNE06T03S R01E	021562	9.26	062762	8.59	022763	9.88	111263	10.86
	031665	10.22	031066	10.40		.		.
269 SWNWSW07T03S R01E	021362	7.60	062662	7.32	022863	7.76	111263	9.70
	032665	9.78	031466	8.18		.		.
277 SWNWSW17T03S R01E	021562	11.85	062762	11.37	022763	11.65	111263	15.50
	031665	13.96	031066	13.25		.		.
286 SESESW18T03S R01E	062762	6.60		.		.		.
288 NWNWE18T03S R01E	021562	13.45	062762	11.94	022763	13.73	111263	16.04
	031665	15.60	031066	13.56		.		.
290 SWSWNW18T03S R01E	021362	15.53	062562	14.63	022763	15.78	111263	17.42
	031665	17.51	031066	15.40		.		.
296 SESENW19T03S R01E	021562	15.83	062762	15.42	022763	16.08	111263	18.75
	031665	17.86	031066	15.80		.		.
299 SESENW19T03S R01E	021562	15.75	062762	14.76	022763	15.47	111263	18.15
	031665	17.27	031066	15.30		.		.
303 NFWNE20T03S R01E	026162	63.63	070262	61.79	030663	64.30	072065	61.80
	031566	63.78		.		.		.
306 SFNWNW29T03S R01E	021562	8.41	062962	9.70	022763	8.92	031665	10.30
	031066	8.36		.		.		.
314 SFNENW31T03S R01E	021562	8.14	062762	6.53	022763	8.39		.

TABLE 5. WATER LEVEL MEASUREMENTS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

LOCATION	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
320 SWSWNE31T03S R01E	021562	10.98	062762	9.39	022763	11.17	111263	12.49
	031665	12.25	031066	11.51	.	.	.	.
327 SWSWNW01T03S R01W	021562	19.77	062662	20.30	022063	21.03	111263	22.23
	031665	23.13	031466	22.24	.	.	.	.
331 NWNWNE01T03S R01W	021562	7.83	062662	7.05	022763	7.90	.	.
332 SWNWNE01T03S R01W	021562	9.44	062662	8.53	022063	9.65	101563	11.30
	031665	11.79	031466	10.95	.	.	.	.
334 NWNENE01T03S R01W	021562	7.95	062662	6.70	022763	8.20	111263	9.69
	031665	10.50	.	.	.	.	.	.
337 NENENE01T03S R01W	021562	8.29	062662	7.25	022763	8.52	111263	10.03
	031665	10.85	031066	10.19	.	.	.	.
349 SWNESE01T03S R01W	021362	4.62	062662	3.94	022063	4.83	111263	6.38
	032665	7.00	031466	6.12	.	.	.	.
350 SWESE01T03S R01W	021362	5.74	062662	17.78	070267	5.30	022063	5.93
	101563	7.66	032665	7.88	031466	7.00	.	.
353 NESWNE02T03S R01W	6 35	.	.	.	.	.	.	.
355 NESENE02T03S R01W	021562	27.39	062962	26.98	022063	27.65	101563	29.48
356 SENWSE02T03S R01W	021562	36.50	062662	36.75	.	.	.	.
361 SWNESE02T03S R01W	021562	26.56	062662	26.65	022063	26.83	032665	28.71
362 NWSESE02T03S R01W	92852	.	.	.	.	10 0	31.2	.
365 SESESW03T03S R01W	021562	61.77	070262	62.67	031363	62.12	040265	63.94
	032266	63.44	.	.	.	.	.	.
366 SESESW03T03S R01W	021562	69.59	070262	69.45	030163	69.56	040965	69.23
	032266	70.37	.	.	.	.	.	.
369 NENENE09T03S R01W	072666	51.10	072866	43.25	080366	51.63	082266	51.63
	032366	60.84	.	.	.	.	.	.
	061766	53.	070166	53.00	070866	51.43	071566	51.39
	072066	51.40	072666	50.88	.	.	.	.
371 SWESE10T03S R01W	040965	147.70	032266	148.00	.	.	.	.
	021562	72.27	062762	73.14	030163	72.51	101763	73.94
372 NWNWNE11T03S R01W	032765	74.34	032266	73.84	081666	74.71	.	.

TABLE 5. WATER LEVEL MEASUREMENTS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

LOCATIONIDN	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
374 NFNWNE11T03S R01W	021562	114.62	070262	115.07	030163	115.33	040965	115.42
	032266	117.51		.		.		.
375 NFNWNE11T03S R01W	021562	53.55	062762	54.58	031363	53.83	031666	55.41
378	021962	73.61	030163	74.61	032765	76.38	032966	75.70
379 SFENE11T03S R01W	022553	43.00	031158	42.58	111158	43.11	111258	43.16
380 NWSENE11T03S R01W	101763	66.54		.		.		.
381 NWSENE11T03S R01W	070262	55.85	031363	55.24	101563	56.00	032265	56.91
	031666	54.66		.		.		.
382 NWSENE11T03S R01W	032765	61.24	032866	60.69		.		.
384 NWSESW11T03S R01W	101265	185.74	032266	185.37		.		.
386 NFNWNW12T03S R01W	021562	21.52	062662	21.67	022063	21.82		.
397 NWNWSW12T03S R01W	021562	46.55	062562	46.61	021963	46.85	101763	48.15
	033165	48.73	031666	47.78		.		.
400 NWNESW12T03S R01W	021562	30.36	062562	30.57	022863	30.75	110563	32.02
402 SFNESW12T03S R01W	031666	31.17		.		.		.
403 SFSESW12T03S R01W	021262	51.01	062662	50.41	062862	51.02	0219 3	.51
	110563	52.54		.		.		.
404 NWSESE12T03S R01W	021362	22.06	062662	22.06	022863	22.37	111263	23.80
	032665	24.20	031466	22.92		.		.
405 SFSESE12T03S R01W	021362	9.60	062762	9.30	022863	9.05	111263	11.58
	062665	11.55	031466	9.87		.		.
406 SWNNW13T03S R01W	021362	91.01	062562	91.25	030163	91.52	110563	92.60
413 SFENE13T03S R01W	02136	1.90	03016	1.94		.		.
425 NWSENE13T03S R01W	021262	36.53	062562	36.10	022763	36.29	110563	38.19
	040265	38.55	032466	37.17		.		.
426 SWSENE13T03S R01W	021362	35.54	062962	32.35	022763	33.14	110563	34.54
429 NWNWSW13T03S R01W	021262	117.57	062562	117.95	021963	118.38	110563	119.09
	033165	119.82	032466	119.12		.		.

TABLE 5. WATER LEVEL MEASUREMENTS OF WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

	LOCATION	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
434	NFNENE14T03S R01W	021262 032466	102.44 103.59	062662	102.86 .	021963	103.06 .	110563	104.04 .
437	NWNESW14T03S R01W	021262 033165	193.60 195.70	062562 032466	193.97 195.18	030163	194.03 .	110563	196.00 .
438	SFNESE14T03S R01W	021262	186.07	062562	186.30	110563	187.95		.
450	NFNWSW24T03S R01W	021362 040265	214.17 215.77	062962 032566	213.86 214.59	022863	214.42 .	111263	215.24 .
454	SFSWSE24T03S R01W	021262 032566	184.53 185.01	062562	184.15 .	022863	184.98 .	040265	186.30 .
456	SWSWNE25T03S R01W	021262 022863	185.54 185.86	062562 110563	185.46 185.70	062962	185.89 .	070262	185.46 .
457	NWSWNW26T03S R01W	040265	372.38	032466	371.00		.		.
460	SWSENW33T03S R01W	071762	22.60	040466	32.39	072667	24.46		.
461	NFNWNE01T03S R02W	071862	22.12		.		.		.
465	SWNENW23T03S R02W	071762	111.95	041666	112.61		.		.
470	NWNWNW25T03S R02W	071762	119.90	071762	124.44		.		.
471	NWNWNW25T03S R02W	040466	21.70	040466	26.50		.		.
473	NFNWNE25T03S R02W	040466	28.23		.		.		.
477	NENWNE36T03S R02W	071762	41.15	040466	37.55	07 67	41.00		.
480	NFNWSW03T03S R03W	072362	57.23		.		.		.
487	NWNESW13T03S R03W	072362	72.75	041666	74.38		.		.
490	NWNENE23T03S R03W	022362	53.15	041666	46.90		.		.
491	NFSSEW23T03S R03W	072762	8.06	041666	4.55		.		.
493	NWNWSE23T03S R03W	072762	13.51	041666	7.99		.		.

TABLE 6. WELL LOGS FOR WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO

DEPTH (FEET)	FORMATION
LATITUDE 34 DEG. 12 MIN. 15 SEC.	
LONGITUDE 106 DEG. 54 MIN. 42 SEC.	
1S.1W.23.431	
ALTITUDE 4630 FEET	
OWNER MRS.E.A.SARRACINO	
13	TOP SOIL
61	SAND AND FINE GRAVEL
63	RED CLAY
100	SAND
LATITUDE 34 DEG. 12 MIN. 5 SEC.	
LONGITUDE 106 DEG. 54 MIN. 15 SEC.	
1S.1W.23.444	
ALTITUDE 4653 FEET	
OWNER GEORGE H. HILDERBRAND	
5	TOP SOIL
25	SAND
45	COARSE WATER SAND
95	COARSE GRAVEL
106	COARSE WATER SAND
112	SAND
LATITUDE 34 DEG. 11 MIN. 45 SEC.	
LONGITUDE 106 DEG. 53 MIN. 50 SEC.	
1S.1W.25.141	
ALTITUDE 4643 FEET	
OWNER B.G.RASKOB	
68	SAND
68	GRAVEL
72	SLATE
LATITUDE 34 DEG. 11 MIN. 20 SEC.	
LONGITUDE 106 DEG. 54 MIN. 00 SEC.	
1S.1W.25.332	
ALTITUDE 4635 FEET	
OWNER ED PROVINE	
65	SAND AND GRAVEL
80	QUICKSAND TURNING TO FINE GRAVEL
130	CLAY 6 FEET



TABLE 6. WELL LOGS FOR WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH (FEET)	FORMATION
LATITUDE 34 DEG. 6 MIN. 32 SEC. LONGITUDE 106 DEG. 53 MIN. 36 SEC. 2S.1E.30.132 ALTITUDE 4600 FEET OWNER PAUL EDGINGTON	
3	TOP SOIL
10	FINE RED SAND
20	RED HARD PACKED SAND
35	COARSE SAND AND GRAVEL
40	RED CLAY
80	COARSE SAND GRAVEL
95	HARD PACKED SAND & GRAVEL POSSIBLY CEMENTED
LATITUDE 34 DEG. 5 MIN. 8 SEC. LONGITUDE 106 DEG. 52 MIN. 32 SEC. 2S.1E.31.344 ALTITUDE 4602 FEET OWNER J.T.COOK	
35	SAND AND WATER
41	BLUE SHALE (CLAY )
48	COARSE GRAVEL
63	WHITE COARSE SAND
LATITUDE 34 DEG. 9 MIN. 28 SEC. LONGITUDE 106 DEG. 54 MIN. 17 SEC. 2S.1W.2.444 ALTITUDE 4629 FEET OWNER W. LAWSON	
10	SOIL (WATER CASED OFF)
12	RED CLAY
32	SATURATED SAND
44	RED SHALE
52	SATURATED GRAVEL (WATER)
LATITUDE 34 DEG. 5 MIN. 52 SEC. LONGITUDE 106 DEG. 54 MIN. 58 SEC. 2S.1W.35.221 ALTITUDE 4673 FEET OWNER NEW MEXICO TUBERCULOSIS SANITARIUM #3	
10	SOIL
20	SAND AND GRAVEL

TABLE 6. WELL LOGS FOR WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH (FEET)	FORMATION
45	GRAVEL WITH BOULDERS
80	SANDY CLAY WITH SOME GRAVEL
185	WATER SAND AND GRAVEL
200	BROWN SANDY CLAY

LATITUDE 34 DEG. 5 MIN. 48 SEC.  
 LONGITUDE 106 DEG. 53 MIN. 10 SEC.  
 2S.1W.36.214  
 ALTITUDE 4618 FEET  
 OWNER V.TORRES

3	ADDOBE
13	BLACK CLAY
16	SANDY GRAVEL
28	QUICKSAND (WATER CASED OFF)
42	DRY CLAY
52	FINE DARK SAND (WATER)
62	GRAVEL AND SAND (WATER)

LATITUDE 34 DEG. 5 MIN. 22 SEC.  
 LONGITUDE 106 DEG. 54 MIN. 00 SEC.  
 2S.1W.36.314A  
 ALTITUDE 4620 FEET  
 OWNER V.GONZALES

26	FILL
30	GRAVEL (FIRST WATER CASED OFF)
90	CLAY
90	GRAVEL (WATER)

LATITUDE 34 DEG. 6 MIN. 38 SEC.  
 LONGITUDE 107 DEG. 8 MIN. 48 SEC.  
 2S.3W.27.223  
 ALTITUDE 6057 FEET  
 OWNER J.COURTNEY

240	BOULDERS
360	COARSE TO MEDIUM SAND
420	FINE SAND

LATITUDE 34 DEG. 6 MIN. 26 SEC.  
 LONGITUDE 107 DEG. 14 MIN. 20 SEC.  
 2S.4W.27.243  
 ALTITUDE 6640 FEET

TABLE 6. WELL LOGS FOR WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH (FEET)	FORMATION
OWNER E.E.JAMES	
90	BOULDERS, SAND AN. GRAVEL (CASED)
180	YELLOW IGNEOUS ROCK (IRON ZONITE)
190	GRAY TUFF OR VOLCANIC SEDIMENT, VERY HARD
LATITUDE 34 DEG. 5 MIN. 52 SEC.	
LONGITUDE 107 DEG. 13 MIN. 38 SEC.	
2S.4W.35.110	
ALTITUDE 6780 FEET	
OWNER MAGDALENA	
90	CLAY AND GRAVEL
120	CLAY AND GRAVEL (WATER AT 102 IN COARSE SAND & GRAVEL)
LATITUDE 34 DEG. 2 MIN. 56 SEC.	
LONGITUDE 106 DEG. 52 MIN. 57 SEC.	
3S.1E.18.133	
ALTITUDE 4594 FEET	
OWNER MONTGOMERY	
1	TOP SOIL
8	RED SANDY CLAY
14	SAND - FINE
16	RED CLAY
20	BOULDERS -2 -4
55	COARSE SAND AND GRAVEL
57	RED CLAY
85	COARSE SAND AND GRAVEL
86	RED CLAY
100	VERY COARSE SAND AND GRAVEL
LATITUDE 34 DEG. 2 MIN. 6 SEC.	
LONGITUDE 106 DEG. 52 MIN. 37 SEC.	
3S.1E.19.144	
ALTITUDE 4600 FEET	
OWNER HOPE FARMS -JIM MOON	
4	TOP SOIL
12	CLAY
40	SAND
52	BOULDERS
65	ROCK
77	BOULDERS
107	SAND, BOULDERS

TABLE 6. WELL LOGS FOR WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH (FEET)	FORMATION
110	CLAY
LATITUDE 34 DEG. 2 MIN. 44 SEC. LONGITUDE 106 DEG. 57 MIN. 5 SEC. 3S.1W.16.323 ALTITUDE 5200 FEET OWNER BLUE CANYON	
25	GRAVEL
295	RHYOLITE TUFF BRECCIA IN PART WELDED
300	ANDESITE
LATITUDE 34 DEG. 2 MIN. 4 SEC. LONGITUDE 106 DEG. 53 MIN. 17 SEC. 3S.1W.24.244 ALTITUDE 4680 FEET OWNER UNDER BURSUM(MILL) EAST OF DRIVE-IN	
18	BOULDERS
57	GRAVEL
65	RED CLAY
70	GRAVEL
92	BLUE CLAY
100	SAND AND GRAVEL
105	BOULDERS
110	GRAVEL
142	BLUE CLAY
146	SAND AND GRAVEL
160	
LATITUDE 33 DEG. 57 MIN. 46 SEC. LONGITUDE 106 DEG. 51 MIN. 5 SEC. 4S.1E.17.200 ALTITUDE 4575 FEET OWNER LAWTON MUNCY	
2	TOP SOIL
20	SAND
22	BLUE CLAY
52	SAND
55	BLUE CLAY
92	SAND AND GRAVEL
93	RED CLAY
109	COARSE SAND AND GRAVEL

TABLE 6. WELL LOGS FOR WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH (FEET)	FORMATION
110	BLUE CLAY
125	COARSE SAND AND COARSE GRAVEL

LATITUDE 33 DEG. 55 MIN. 36 SEC.  
 LONGITUDE 106 DEG. 52 MIN. 5 SEC.  
 4S.1E.30.400  
 ALTITUDE 4625 FEET  
 OWNER ROBERT OLGUIN

6	SURFACE SOIL
18	SANDY CLAY
30	SAND AND GRAVEL
40	BLUE CLAY
60	COARSE SAND AND GRAVEL
61	RED CLAY
80	BOULDERS
81	RED CLAY
96	SAND AND GRAVEL
99	BLUE CLAY
128	SAND AND GRAVEL
129	RED CLAY
154	SAND AND GRAVEL
154	BOTTOM OF WELL

LATITUDE 33 DEG. 55 MIN. 6 SEC.  
 LONGITUDE 106 DEG. 52 MIN. 34 SEC.  
 4S.1E.32.322  
 ALTITUDE 4540 FEET  
 OWNER FRED , SAN ANTONIO, N.MEX.

7	SANDY
10	BOULDERS
17	SAND ON GRAVEL
27	GRAVEL AND BOULDERS
60	SAND AND GRAVEL

LATITUDE 33 DEG. 42 MIN.  
 LONGITUDE 106 DEG. 59 MIN.

ALTITUDE 4475 FEET  
 OWNER U.S.B.R. (SAN MARCIAL CAMP WELL)

2	SURFACE SAND
8	SAND AND GRAVEL
13	CLAY

TABLE 6. WELL LOGS FOR WELLS IN SOCORRO AND MAGDALENA AREA, NEW MEXICO (CONT)

DEPTH (FEET)	FORMATION
19	SAND AND GRAVEL
22	CLAY
30	SAND, FIRST WATER
70	SAND AND GRAVEL
80	CLAY
95	SAND AND GRAVEL
107	SANDY CLAY
110	SAND AND GRAVEL
120	YELLOW SANDY CLAY
142	SAND AND GRAVEL
142	BOTTOM OF HOLE

LATITUDE 33 DEG. 52 MIN. 30 SEC.  
 LONGITUDE 106 DEG. 51 MIN. 5 SEC.  
 5S.1E.17.200  
 ALTITUDE 4520 FEET  
 OWNER APACHE LAND CO.

10	SAND
12	SANDY CLAY
30	SAND
45	SAND AND GRAVEL
46	RED CLAY
88	COARSE SAND AND GRAVEL
89	RED CLAY
89	RED CLAY
110	SAND AND GRAVEL
111	RED CLAY
120	SAND AND GRAVEL
120	BOTTOM OF WELL

/8

